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CORRELATIONAL AND REGRESSION ANALYSES OF DIFFERENCES BETWEEN THE ACHIEVEMENT LEVELS OF NINTH GRADE SCHOOLS FROM THE EDUCATIONAL OPPORTUNITIES SURVEY.

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THIS REPORT PRESENTS CORRELATIONAL AND REGRESSION ANALYSES OF VARIOUS COMBINATIONS OF SUBSETS OF NINTH-GRADE STUDENT BODY AND SCHOOL VARIABLES FROM THE EDUCATIONAL OPPORTUNITIES SURVEY (COLEMAN REPORT), IN AN ATTEMPT TO ISOLATE DIFFERENT SCHOOL INDEXES THAT CONTRIBUTE TO ACHIEVEMENT. IT IS HOPED THAT THE INDEXES OBTAINED FROM THE 400 ORIGINAL VARIABLES USED IN THE ANALYSES WILL REDUCE THE VOLUME OF DATA PROCESSING AND THE COMPLEXITY OF LATER ANALYSES. SCHOOL AND STUDENT BODY VARIABLES SUCH AS RURAL-URBAN LOCATION, NUMBER OF ENROLLED STUDENTS, PRINCIPAL'S TRAINING, PUPIL-TEACHER RATIO, SCHOOL ACHIEVEMENT LEVEL, SOCIOECONOMIC STATUS OF THE STUDENT BODY, AND THE RACIAL AND ETHNIC COMPOSITION OF THE STUDENTS WERE ALL ANALYZED. STUDENT BODY VARIABLES MADE A GREATER RELATIVE CONTRIBUTION THAN SCHOOL VARIABLES TO THE STUDENTS' ACHIEVEMENT LEVELS, EXPECTATIONS, ATTITUDE TOWARD LIFE, EDUCATIONAL PLANS, AND STUDY HABITS. THE RESULTS OF OTHER ANALYSES SUGGEST THAT PERSONNEL EXPENDITURE VARIABLES MAY BE MOST IMPORTANT IN PROMOTING ACHIEVEMENT. REGIONAL DIFFERENCES IN THE DEPENDENCE OF SCHOOL ACHIEVEMENT ON STUDENT BODY HOME BACKGROUND AND RACIAL-ETHNIC COMPOSITION WERE ALSO FOUND. OTHER FINDINGS INDICATE THAT THE SCHOOL VARIABLES THAT CONTRIBUTE TO ACHIEVEMENT MAY HAVE DIFFERING EFFECTS UPON STUDENTS FROM DIFFERENT SOCIOECONOMIC BACKGROUNDS. IT IS FELT THAT SUCH FINDINGS SUGGEST THAT IMPORTANCE OF STUDYING THE EFFECT OF SOCIOECONOMIC STATUS ON SCHOOL ACHIEVEMENT. (DK)

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CORRELATIONAL AND REGRESSION ANALYSES OF DIFFERENCES BETWEEN THE ACHIEVEMENT LEVELS OF NINTH GRADE SCHOOLS FROM THE EDUCATIONAL OPPORTUNITIES SURVEY

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Correlational and Regression Analyses of Differences Between The Achievement Levels of Ninth Grade Schools From the Educational Opportunities Survey

INTRODUCTION

The following report presents the intercorrelations of ninth grade student and school indices and selected other variables from the Educational Opportunities Survey (EOS) (see Coleman in the List of References). Also reported herein are the results of a number of systematic regression analyses. These analyses utilize various combinations of subsets of student and school indices in an attempt to isolate different school indices that contribute to achievement.

DESCRIPTION OF THE PROCEDURES AND TECHNIQUES USED IN SCALING THE VARIABLES AND DEVELOPING INDICES

The main goal in developing indices was to reduce the more than 400 variables in an empirically meaningful way so that the volume of data processing and complexity of later analyses could be reduced. Thus, it was hoped that the regression equations would be more sharply defined if things that seemed to go together both empirically and on the basis of their content were first grouped together so that what they had in common could make a more clear cut contribution. Earlier experience with these data showed that when each school facility such as a library or science laboratory was kept separate in the regression it might make a very small positive contribution to school achievement. It was also felt that the reduction of this large number of variables to a small number of indices would greatly reduce the difficulty in specifying the variables to enter into a regression and the sheer magnitude of regressions to be run.

Before the variables could be reduced into meaningful groupings, however, decisions had to be made concerning the estimation of missing data and the coding or scaling of variables. As a guide in the estimation of missing data or handling of non-responses, it was decided to analyze the responses to each question against one or more criteria or dependent variables so that not only the percent responding to each item or response alternative but also their mean score on the dependent variable could be used as a guide in coding the variables and in assigning a value to the non-respondents.

Since the approach differed somewhat for the student, teacher and principal questionnaires each analysis will be described separately.

Development of the Achievement Composite

A factor analysis was conducted on the intercorrelations of the five ninth grade achievement measures. These measures were: General Information, Reading Comprehension, Verbal Ability, Mathematics Achievement and

Non-Verbal Ability. The factor analysis showed that a single factor could be used to describe the intercorrelations of these achievement measures (see Mayeske and Weinfeld, Technical Note 21 in the List of References). Accordingly, the following weights from the first Principal Component of the intercorrelations were used to weight scores on the tests and sum them to obtain an overall achievement composite.

Non-Verbal	.76
Verbal	.92
Reading Comprehension	.87
Mathematics Achievement	.85
General Information	.91

It was this achievement composite which was used as a criterion against which item responses were analyzed. This achievement composite, when averaged by ninth grade students in the school, is also the dependent variable for many later analyses presented in this report.

Criterion Scale Analyses and Coding of Ninth Grade Student Variables

In order to maximize the linear relationship of each student variable with student achievement criterion scaling was employed. By criterion scaling is meant that each item response was coded and scaled by assigning the mean value of the dependent variable for each of the different response alternatives for an item. Table 1 shows the criterion scale analysis for the categorical variable of "Fathers Occupation". The reader will note the percent of 9th grade students responding to each item alternative and their mean score on the achievement composite, where the total responses for each item have been set to a mean of 50 and a standard deviation of 10 (see Weinfeld, et al. Unpublished Manuscript 61 in the List of References for the criterion scale analyses for the 9th grade student questionnaire items). When the mean value of the dependent variable is assigned as the code or scale value for each item alternative the items or variables are said to be criterion scaled. Almost all of the 9th grade student variables were coded in this manner.

Criterion Scale Analysis and Coding of School Variables

For the teacher variables, each item was analyzed against the teachers total score on a self-administered contextual vocabulary test. For the principal variables, each item was analyzed against the number of students enrolled in the school, the rural-urban and socio-economic status of the school, and the principals' salary. These analyses were used as guides in assigning codes or scale values and in estimating missing data. However, for the teachers' and principals' questionnaires

TABLE 1

Percent of 9th Grade Students and Their Average Composite Achievement Score Classified by Father's Occupation

CATEGORY	FATHER'S OCCUPATION	PERCENT	COMPOSITE MEAN	COMPOSITE STD. DEV.
1.	Technical	2.8	52.674	10.328
2.	Official	4.1	52.299	10.226
3.	Manager	12.6	53.451	9.160
4.	Semi-skilled	16.6	50.060	9.119
5.	Salesman	4.3	53.877	8.898
6.	Farm or ranch manager or owner	3.8	50.397	10.250
7.	Farm worker	2.4	43.316	9.405
8.	Workman or laborer	10.5	48.657	8.897
9.	Professional	6.7	56.597	9.368
10.	Skilled worker or foreman	20.1	51.000	8.779
11.	Don't know	10.8	43.057	8.847
0.	Non-response	5.2	42.599	10.365
	TOTAL	100.00*	50.000	10.000

*Based on 133,136 ninth grade students.

the items were not coded so as to maximize their relationship with these dependent or criterion variables (see Mayeske, et al., Technical Note 32 and Unpublished Manuscript 61 for the criterion scale analyses of the teacher and principal questionnaires, respectively).

Reduction of Variables

The intercorrelations of the student, teacher and principal sets of variables were each subjected to a series of factor analyses. The objective of these analyses was to obtain meaningful groupings of variables. To accomplish this objective a large number of subsets of the variables were each subjected to principal components analyses and varimax rotations (see Horst in the List of References for a description of these techniques). The principal component method has the desirable property that it extracts the roots and associated factors in descending order of magnitude. Hence, the first root is the largest, the second root the next largest, etc. Factors with a root of one or greater were subjected to a Varimax rotation. This is a technique for rotating the principal factors into a position that may be meaningful. It attempts to maximize the high and low weights for a factor so that the variables that have high weights on a factor can be thought of as belonging together and an interpretive label might be applied to what they have in common.

This approach was essentially iterative in that variables that did not form meaningful groupings or blurred an otherwise meaningful grouping were eliminated and the remaining variables were refactored. The teacher and student indices readily fell into meaningful groupings after two iterations which resulted in the elimination of about six to twelve variables from each set. The highest weights from the Varimax rotation were used to multiply the variables by to obtain index scores. In order to keep the index score intercorrelations low a variable was allowed to have a weight on only one index (see Mayeske, et al, Technical Note 49 and Unpublished Manuscript 80 in the List of References for the development of the teacher and ninth grade student indices, respectively).

The variables from the principal questionnaire dealt with a wide variety of different aspects of the school. These variables did not readily fall into any naturally meaningful groups. Consequently, a priori groupings, such as variables concerned with the physical plant

or instructional facilities were subjected to a principal component analysis. The weights from the first principal component were then used to obtain index scores for each school (see Mayeske, et al., Unpublished Manuscript in the List of References for the development of these indices).

DESCRIPTION OF THE INDICES AND VARIABLES

A brief description of each index or variable is given below.

Student Indices

1. Expectations for Excellence - a student with a high score believes that his mother, father and teacher want him to be a good student and he desires to be a good student,

2. Socio-Economic Status - a student with a high score on this index tends to come from a suburb of a large city or from a medium size city, has one or two siblings, lives in a six to ten room house, his father is engaged in a professional, sales, managerial or technical job, both his mother and father come from the higher educational strata and there are a large number of appliances and reading materials in the home.

3. Attitude Toward Life - a student with a high score on this index believes that people like himself have a chance to be successful, when he tries to get ahead he won't experience many obstacles, hard work is more important that good luck for success, won't have a hard time getting a job with a good education, etc.

4. Family Structure and Stability - a student with a high score has both his father in the home, father is the major source of income, he hasn't changed schools recently, etc.

5. Educational Desires and Plans - a student with a high score desires and plans to go to college, his parents want him to go to college and he has high occupational level aspirations.

6. Study Habits - a student with a high score spends about 2 hours a day studying, has frequent discussions about his school work with his parents, was read to as a child before he started school, read many books during the summer, etc.

7. Racial-Ethnic Differences in Achievement - a variable created by assigning each student the average achievement score obtained by his racial or ethnic group. A student with a high score is white or Oriental American and a student with a low score is Puerto Rican, Mexican American, Indian American or Negro.

Teacher Indices

8. Experience - comprised of the teacher's age, years of teaching experience and years of teaching in his present school.

9. Teaching Conditions - comprised of various aspects of the teacher's view of his teaching situation such as how hard the students try to achieve, their academic ability, the reputation of the school and student disciplinary, racial, etc. problems.

10. Localism of Background - a teacher with a high score has spent most of his life in a small geographic area and has graduated from high school and college in that locale.

11. Socio-Economic Background - comprised of the teacher's parent's educational level, father's occupation and rural-urbanness of their background.

12. Training - comprised of the teacher's highest degree held, certification, salary level and tenure.

13. College Attended - comprised of the kind of undergraduate institution attended (e.g. normal school, public or private university, etc.), the highest degree offered by that institution and the teacher's rating of the academic level of the institution.

14. Teaching Related Activities - comprised of the hours of unofficial time spent in preparation for class and counseling, the number of educational journals read regularly, etc.

15. Preference for High Ability Students - teacher prefers to work with students of higher ability, socio-economic status, etc.

16. Sex - scored high for a female, low for a male.

17. Racial - Ethnic Differences in Contextual Vocabulary - a variable created by assigning each teacher the average vocabulary score obtained by his racial or ethnic group. A high score indicates white and a low score Oriental American, Puerto Rican, Negro, Mexican American or Indian American.

18. Vocabulary Score - total number of items correct.

Principal and School Indices

19. Principal's Experience - comprised of age, number of years experience as a principal, etc.

20. Principal's Training - comprised of the highest degree held and salary level.

21. Principal's College Attended - same as teachers index.

22. Principal's Sex - a variable scored high for female, low for a male.

23. Plant and Physical Facilities - area of plant, possession of auditorium, gymnasium, central library, athletic field, kitchen, etc.

24. Instructional Facilities - special labs, shops, volumes in the library, etc.

25. Specialized Staff and Services - art, music and remedial reading teachers, guidance counselors, nurse, etc.

26. Tracking - use of various kinds of ability grouping techniques, proportion of students in highest and lowest tracks, accelerated curriculum, etc.

27. Testing - frequency of testing using intelligence, interest and achievement tests.

28. Transfers - percent of students transferring in and out.

29. Remedial Programs - percent of students in remedial math and reading.

30. Accreditation - whether or not school has state and regional accreditation.

32. Age of Texts - age of different texts used.

33. Availability of Texts - extent to which texts are provided and whether or not there are a sufficient number.

34. Age of Building - a variable scored so that a high value indicates older age.

35. Pupils per room - a variable scored so that a high value indicates many pupils per room.

36. Pupils per teacher - a variable scored so that a high value indicates many pupils per teacher.

37. Number of students enrolled in the school.

38. School Reputation - the principal's estimate of the school's reputation among educators in the area.

The remainder of this report deals with the results of correlational and regression analyses using these indices and variables. These analyses use ninth grade schools as the unit of analysis. Thus, when we speak of Socio-Economic Status we are talking about the average of the socio-economic index scores for the ninth grade students in a particular school and when we speak of achievement we are talking about the average achievement composite of the ninth grade students in a school. In a similar manner we are talking about the average Experience or Training of the teachers in the school.

The student and teacher indices were averaged by schools and then these averages were correlated with one another and with the principal and school indices and variables using a program that allows for an unequal number of observations on the variables. The students were tested a few weeks after the fall semester began in 1965. Thus, the facilities and staff of a ninth to twelfth grade school would not have had an opportunity to influence the achievement of their new ninth grade students. Consequently, these schools were eliminated when analyzing teacher, principal and school indices against achievement. It was the elimination of these schools that resulted in an unequal number of observations. For example, the correlations of student averages with achievement averages is based on approximately 916 schools from the EOS sample, while the correlations of school indices with achievement averages is based on the 600 schools of these 916 schools that had the ninth grade students for the eighth grade.

The standard deviations and intercorrelations of these variables are given in Appendices A and B along with some selected other variables that were retained for special analyses. Some of these variables will be brought into the analyses occasionally and the reader will be able to obtain an exact specification of the meaning and coding of those variables from Appendices A and B.

DISCUSSION OF SOME SELECTED CORRELATIONS

The following pages will discuss some zero order correlations of variables that are deemed to be of special interest either because they are used extensively in later analyses or because they are of general interest. As a rule of thumb only correlations of .20 or greater will be discussed.

Correlates of Rural-Urban Location

One of the items from the principal questionnaire dealt with the rural-urban location or size of the geographic locale in which the school was located. The variable was coded so that inner city and suburban schools received a high value and small town and rural schools received a low value. The selected correlations are given in Table 2. The variable numbers refer to the order of variables in Appendix A or B.

Inspection of Table 2 shows that the urban schools, when contrasted with the rural schools have: better trained and paid principals, more specialized staff and services, used tracking more but tested less frequently, more student transfers and remedial programs. Urban schools also are more likely to have a tenure system, are larger in terms of their enrollment, have been integrated longer, and the principal teaches very few hours per week if at all. The teachers in urban schools when compared with their rural counterparts are slightly less experienced (and consequently are younger), come from higher socio-economic strata, have more training and went to a better college, are more likely to be male and have a higher salary, to spend more hours per day in teaching, to have many credits beyond their highest degree and to have been assigned to the school in which they are now teaching. Finally, the students in urban schools tend to have a higher socio-economic status and higher educational aspirations than do their rural counterparts and all students from a fixed geographic locale attend the same school.

Correlates of School Sizes

Table 3 lists the correlates of school size (or number of students enrolled in the school)

Inspection of Table 3 shows that large schools when compared with smaller schools, have: a larger building and more special facilities, better trained (and paid) principals, more instructional staff and facilities and more specialized staff and services. They are more likely to practice tracking but less likely to test as frequently, have more

TABLE 2

Zero Order Correlations of Rural-Urban Status*

Variable Number	Title	Correlation
3	Principals' Training	.44
6	Specialized Staff & Services	.62
7	Tracking	.21
8	Testing	-.32
9	Student Transfers	.20
10	Remedial Programs	.28
20	School has a Tenure System	.28
22	Number of Students Enrolled in the School	.55
22**	Pupil Assignment Practices	.34
25	Length of Time Since Non-Whites First Entered the School	.30
31	Percent of Time that Principal Teaches	-.27
32	Teachers' Experience	-.31
35	Teachers' Socio-Economic Background	.28
36	Teachers' Training	.26
37	Teachers' College Attended	.23
40	Teachers' Sex (proportion female)	-.34
41**	Teachers' Course Credits Beyond Highest Degree	.30
42**	Teachers' Assignment to Present School	-.26
43	Teachers' Salary	.35
45	Teachers' Hours Per Day Spent in Teaching	.21
49	Student Body's Socio-Economic Status	.35
53	Student Body's Educational Plans and Desires	.26
59	Percent of Student s Who Attended Kindergarten	.43

* Only correlations of .20 or greater are presented.
** These are variable numbers from the list in Appendix B.

TABLE 3

Zero Order Correlations of School Size*

Variable Number	Title	Correlation
1	Physical Plant and Facilities	.22
3	Principals' Training	.49
5	Instructional Staff and Facilities	.32
6	Specialized Staff and Services	.69
7	Tracking	.28
8	Testing	-.21
10	Remedial Programs	.22
15	Rural-Urban Location	.55
20	School has a Tenure System	.22
21	School Uses Teacher Examinations in Hiring	.25
25	Length of Time Since Non-Whites First Entered the School	.30
28	Many Pupils Per Room	.40
29**	Principals' Course Credits Beyond Highest Degree	.19
31	Percent of Time that Principal Teaches	-.38
32	Teachers' Experience	-.25
40	Teachers' Sex (proportion female)	-.31
41**	Teachers' Course Credits Beyond Highest Degree	.32
42**	Teachers' Assignment to Present School	-.26
43	Teachers' Salary	.31
58**	Foreign Language Spoken by Students' Parents	-.20
59	Percent of Student s Who Attended Kindergarten	.27

* Only correlations of .20 or greater are presented
** These are variable numbers from the list in Appendix B.

remedial programs and are more urban in their location. Large schools are also more likely to: have a tenure system, use teacher examinations, have been integrated longer and have more pupils per room than are small schools. The principal of a large school spends fewer if any hours per week teaching as compared to the principal of a small school and has taken more credits beyond his highest degree. The teachers in large schools are less experienced (and consequently younger), are more likely to be male and have a higher salary than are teachers in small schools, have more credits beyond their highest degree and were placed in their present school. The students in large schools are more likely to have attended kindergarten than are the students in small schools and are slightly more likely to have parents who speak a foreign language.

Although school size tends to have correlations with variables similar to rural-urban location, its moderately high correlation with such expenditure variables as principals training and teachers salary and specialized staff and services, and instructional staff and facilities suggest that it is an important variable for future analyses.

Correlates of Principal's Training (Salary and Highest Degree)

The index called Principal's Training is a combination of the principal's salary and his highest degree held. This index is one measure of the magnitude of a schools' budget since the larger or more affluent schools tend to have higher paid and better trained principals. Table 4 gives the correlates of the Principals' Training.

Inspection of Table 4 shows that schools with higher degreed and better paid principals have more instructional facilities, more specialized staff and services, more often practice tracking but test less frequently, have more student transfers and remedial programs, are more urban and have fewer pupils per teacher. Schools with a high score on this index also have a tenure system, are larger in terms of their number of students, have been integrated longer, the principal has more credits beyond his highest degree and teaches seldom, if at all, have a compulsory school law that is enforced, a shorter day, and pupils that all come from the same geographic locale. The teachers in these high scoring schools: come from a higher socio-economic background, have more training and more credits beyond their highest degree and attended a higher ranking college, prefer high ability students, are more likely to be male and to have been placed in their present school and have a higher salary than do teachers in lower scoring schools. The students in schools with a more highly educated, better paid principal when compared with schools that have less educated and less well paid principals are of a higher socio-economic status, have higher achievement levels and are more likely to have attended kindergarten.

TABLE 4

Zero Order Correlations of Principal's Training (Salary and Highest Degree)*

Variable Number	Title	Correlation
5	Instructional Facilities	.23
6	Specialized Staff and Services	.65
7	Tracking	.24
8	Testing	-.22
9	Transfers	.23
10	Remedial Programs	.24
15	Rural-Urban Location	.44
16**	Compulsory School Law Enforced	.21
18	Pupils Per Teacher	-.20
18**	Length of School Day	-.18
20	School Has a Tenure System	.38
22	Number of Students Enrolled	.49
22**	Pupil Assignment Practices	.24
25	Length of Time Since Non-Whites First Entered	.35
29**	Principal's Course Credits Beyond Highest Degree	.19
31	Percent of Time that Principal Teaches	-.48
32	Teachers' Experience	-.20
35	Teachers' Socio-Economic Background	.31
36	Teachers' Training	.42
37	Teachers' College Attended	.22
39	Teachers' Preference for High Ability Students	.21
40	Teachers' Sex (proportion female)	-.28
41**	Teachers' Credits Beyond Highest Degree	.40
42**	Teachers' Assignment to Present School	-.26
43	Teachers' Salary	.58
49	Student Body's Socio-Economic Status	.31
55	Student Body's Achievement Level	.21
59	Students Who Attended Kindergarten	.44

*Only correlations of .20 percent or greater are presented.
**These are variable numbers from the list in Appendix B.

Correlates of Pupil-Teacher Ratio

In most any discussion of school effectiveness the question of an appropriate pupil-teacher ratio arises. It is of interest therefore to see what other variables are correlated with this ratio. Table 5 gives these zero order correlations. A high value of this ratio indicates that there are many pupils per teacher and a low value indicates that there are fewer pupils per teacher.

Inspection of Table 5 shows that most of the correlates of pupil teacher ratio are low with the exception of pupils per room. Thus, schools that have many pupils per teacher tend also to have many pupils per room. Although these other correlations tend to be low they are of considerable interest in pointing out variables that are related to what might be interpreted as an "overcorwding" or "overload" situation. Higher teacher pupil ratios tend to occur in schools where the principal tends to have less training, there are fewer instructional facilities, and are less likely to have a compulsory school attendance law that's enforced, the teaching staff tends to be non-white, the teaching staff attended an undergraduate institution where the student body tended to be non-white, and the teachers tend to have lower salary and lower vocabulary scores. The students in schools with high pupil teacher ratios tend to have: a lower socio-economic status, less favorable attitude toward life, fewer long range educational plans and desires, lower achievement levels and the student body tends to be non-white.

Correlates of School Achievement Levels

Since the average Achievement Composite is the primary dependent variable in these analyses it will be helpful in understanding the later regressions to closely scrutinize the kinds of variables with which it is correlated. Table 6 presents these correlations.

In perusing Table 6 one is impressed by the large number of variables that are correlated with the schools' average Achievement Composite. Thus the schools with higher achievement levels, when compared with schools with lower levels have: younger and less experienced principals who are higher salaried and have a higher degree, more specialized staff and services and texts available, fewer pupils per teacher, more teacher turnover (which may indicate that they are luring younger and more mobile teachers), been integrated longer, fewer pupils per room, a compulsory school attendance law that is enforced, a high percent of students in daily attendance, also they are considered by the principal to be held in high regard by other educators and are more likely to have students that come from the same geographic locale.

TABLE 5

Zero Order Correlations of Pupil-Teacher Ratio*

Variable Number	Title	Correlation
3	Principal's Training	-.20
5	Instructional Facilities	-.20
16**	Compulsory School Law Enforced	-.24
28	Many Pupils Per Room	.59
41	Teachers' Racial-Ethnic Group Membership	-.23
42	Percent of White Students at Teachers' Undergraduate Institution	-.22
43	Teachers' Salary	-.24
47	Teachers' Vocabulary Score	-.28
49	Student Body's Socio-Economic Status	-.23
51	Student Body's Attitude Toward Life	-.26
53	Student Body's Educational Plans and Desires	-.25
55	Student Body's Achievement Level	-.34
57	Racial-Ethnic Composition of the Student Body	-.21

* Only correlations of .20 or greater are presented.
** Indicates variables from the list in Appendix B.

TABLE 6

Zero Order Correlations of School Achievement Levels*

Variable Number	Title	Correlation
2	Principal's Experience	-.22
3	Principal's Training	.21
6	Specialized Staff and Services	.31
14	Availability of Texts	.21
16**	Compulsory School Law Enforced	.40
18	Many Pupils Per Teacher	-.34
19	Teacher Turnover	.22
22**	Pupil Assignment Practices	.21
24**	Percent of Students in Daily Attendance	.43
25	Length of Time Since Non-Whites Entered the School	.20
28	Many Pupils Per Room	-.23
30	Principal's Estimate of the School's Reputation	.26
32	Teachers' Experience	-.22
33	Teachers' Working Conditions	.47
35	Teachers' Socio-Economic Background	.32
37	Teachers' College Attended	.31
38	Teachers' Teaching Related Activities	-.30
39	Teachers' Preference for High Ability Students	.32
40	Teachers' Sex (High Proportion Female)	-.22
41	Teachers' Racial-Ethnic Group Membership	.77
42	Percent of White Students at Teachers' Undergraduate Institution	.76
43	Teachers' Salary	.24
44	Percent of White Students in Teachers' Class	.75
46	Average Size of Teachers Class	.30
47	Teachers' Vocabulary Score	.58
49	Student Body's Socio-Economic Status	.82
51	Student Body's Attitude Toward Life	.64
52	Student Body's Family Structure and Stability	.66
53	Student Body's Educational Plans and Desires	.50
54	Student Body's Study Habits	.46
56	Proportion of Girls in the School	.28
56**	Age of Student Body(Scored optimally)	.60
57	Racial-Ethnic Composition of Student Body	.84
58	Student Body's Parents PTA Attendance	.25
58**	Foreign Language Spoken by Parents of Students	.23
59	Percent of Students Who Attended Kindergarten	.46

* Only correlations of .20 or greater are presented.

**Indicate list of variables in Appendix B.

When the teachers in schools with high achievement levels are compared with teachers in schools with low achievement levels one finds that they: are younger and slightly less experienced, feel that they have favorable working conditions, tend to be from higher socio-economic backgrounds, went to better colleges and are less involved in teaching related activities, prefer high ability students, are more likely to be white males with white students and are more likely to have attended a predominantly white undergraduate institution, also they are higher salaried and have more white students in their classes, have a class of approximately 15 to 30 students and a high vocabulary score.

The students in high achievement level schools as compared with students in low achievement level schools have: a considerably higher socio-economic status, a more favorable attitude toward life, a better knit family structure, longer range educational desires and plans and are more studious in their habits. Also they have a higher proportion of females and white students and a more typical age. The students' parents are more likely to have attended PTA ; the students are more likely to have attended kindergarten, and both the students and their parents are less likely to speak a foreign language.

Correlates of the Student Body's Socio-Economic Status

In view of the high correlation of the Socio-Economic Status Index with the Average Achievement Composite it is of interest to inspect the variables that are correlated with Socio-Economic Status (SES). These correlations are given in Table 7.

In looking at Table 7 one is immediately impressed with the similarity of this pattern of correlations with those for the Achievement Composite. Many of the correlations in Table 7 are similar in magnitude to those in Table 6 although their absolute values are slightly lower.

Inspection of Table 7 shows that schools with predominantly high SES students when compared with schools with lower SES students tend to have a larger physical plant and more facilities, a better trained and paid principal, more specialized staff and services, less frequent testing and fewer free lunch and milk programs, a more urban

TABLE 7

Zero Order Correlations of the Student Body's Socio-Economic Status*

Variable Number	Title	Correlation
1	Physical Plant and Facilities	.23
3	Principals' Training	.31
6	Specialized Staff and Services	.45
8	Testing	-.24
11	Free Lunch and Milk Programs	-.32
15	Rural-Urban Location	.35
15**	School Has a Free Nursery	-.21
16	Principals' Estimate of the Student Bodys' Socio-Economic Status	.57
16**	Compulsory School Attendance Law Enforced	.34
18	Many Pupils Per Teacher	-.23
22**	Pupil Assignment Practices	.28
24**	Percent of Students in Daily Attendance	.38
25**	Slow Learner Promotion Policy	.19
30	Principals' Estimate of the School's Reputation	.35
32	Teacher's Experience	-.27
33	Teachers' Working Conditions	.48
35	Teachers' Socio-Economic Background	.40
36	Teachers' Training	.22
37	Teachers' College Attended	.32
38	Teachers' Teaching Related Activities	-.25
39	Teachers' Preference for High Ability Students	.35
40	Teachers' Sex	-.29
41	Teachers' Racial-Ethnic Group Membership	.57
42	Percent of White Students in the Teachers' Undergraduate Institution	.56
43	Teachers' Salary	.31
44	Percent of White Students in Teachers' Class	.63
45	Hours per Day Spent in Teaching	.22
46	Average Class Size	.20
47	Score on Vocabulary Test	.48
48	Student Body's Expectations for Excellence	.47
51	Student Body's Attitude Toward Life	.60
52	Student Body's Family Structure & Stability	.67
53	Student Body's Educational Plans & Desires	.69
54	Student Body's Study Habits	.57
55	Student Body's Achievement Level	.82
56	Proportion of Girls in the School	.40
56**	Age of Students	.66
57	Racial-Ethnic Composition of Student Body	.68
58	Percent of Student's Parents who Attend PTA	.39
58**	Foreign Language Spoken by Students' Parents	.37
59**	Foreign Language Spoken by Students	.59
59	Percent of Students Who Attended Kindergarten	.62

* Only Correlations of .20 or greater are presented.

** Indicates variable numbers from the list in Appendix B.

location, and more students that came from the same geographic locale, fewer pupils per teacher, and are more likely to promote pupils with their age group. They also have a better reputation among educators in the area, are less likely to have a free nursery, but have a compulsory attendance law and a higher percent of students in daily attendance.

Variable 16 is a description of the occupational backgrounds of the pupils' parents. This information, which is given by the principal, runs from rural and blue collar worker through technical and professional occupations. Since this question might be regarded as an indicator of the student body's SES it is of interest to note that it is correlated only .57 with the SES index. Hence if this variable were used to equate schools for differences in the SES of their students before looking at the relationships of other school variables it would undercorrect or underestimate those differences. Consequently, erroneous inferences could be made concerning the influences of certain school variables that would be more correctly attributable to differences in the SES of the students.

Table 7 also shows that when teachers in high SES schools are compared with teachers in low SES schools they are found to have: slightly less experience, better working conditions, a higher socio-economic background and more training, attended a higher ranking college and are slightly less involved in teaching related activities, a preference for high ability students and are more likely to be a white male, attended an undergraduate institution where the students are predominantly white, a higher salary, more white students in their class, more hours per day spent in teaching, an average class size and a higher vocabulary score.

The student body variables that are related to the student body's SES are: their age, expectations for achievement, outlook on life, family structure, longer range educational goals, study habits, achievement level, the proportion of girls in the school, the racial ethnic composition of the student body, the frequency with which their parents attend PTA, the proportion of students who attended kindergarten and both the students and their parents are less likely to speak a foreign language.

Correlates of the Student Body's Racial and Ethnic Composition

The last variable to be discussed is the racial and ethnic composition of the student body. These correlations are given in Table 8. A high score is assigned to schools that are wholly or predominantly white or Oriental American while a low score indicates schools that are wholly or predominantly Negro, Puerto Rican,Mexican American or Indian American.

Table 8 shows that predominantly white schools when compared with predominantly non-white schools have: slightly younger and less experienced principals, fewer pupils per teacher, slightly more teacher turnover, fewer pupils per room, a better reputation as estimated by the principal, a compulsory school law that is enforced and a high proportion of students in daily attendance. It is also of interest to note that the principals' estimate of the proportion of white students in the school (23) is highly correlated with the Racial-Ethnic Difference variable calculated on the ninth grade students. Evidently the racial mix of a school tends to predominate at all grade levels. For research purposes an estimate of the racial mix of a school by the principal may serve as a fairly good surrogate for an actual count of the whites and non-whites in a school.

The teachers in predominantly white schools when compared with their non-white school counterparts: feel that they have better working conditions, have higher socio-economic origins, attended a higher ranking college, are less involved in teaching related activities, prefer high ability students, were placed in their present school, tend to be white, attended an undergraduate institution that was predominantly white, have predominantly white students in their classes which are in the average size range, and tend to have a higher vocabulary score.

The students in predominantly white schools when compared with students in predominantly non-white schools have a more typical age, higher expectations for excellence and socio-economic status, a more favorable attitude toward life, a closer knit family structure, plans for more education, more studious habits, higher achievement levels, and are more likely to be girls. Also they have parents who more often attend PTA, the students are more likely to have attended kindergarten and both the students and their parents are less likely to speak a foreign language.

Clearly, the racial and ethnic composition of the student body is highly related to many of the other variables included in this study.

TABLE 8

Zero Order Correlations of the Racial-Ethnic Composition of the Student Body

Variable Number	Title	Correlation
2	Principal's Experience	-.26
16**	Compulsory School Attendance Law Enforced	.30
18	Many Pupils Per Teacher	-.21
20	Teacher Turnover	.20
23	Principal's Estimate of the Proportion of White Students in the School	.92
24**	Percent of Students in Daily Attendance	.46
28	Many Pupils Per Room	-.20
30	Principal's Estimate of the School's Reputation	.23
33	Teachers' Teaching Conditions	.46
35	Teachers' Socio-Economic Background	.24
37	Teachers' College Attended	.28
38	Teaching Related Activities	-.35
39	Teachers' Preference for High Ability Students	.33
41	Teachers' Racial-Ethnic Group Membership	.89
42	Percent of White Students at Teachers' Undergraduate Institution	.88
42**	Teacher's Assignment to Present School	.27
43	Percent of White Students in Teachers' Class	.92
46	Average Class Size	.24
47	Teachers' Vocabulary Score	.54
48	Student Body's Expectations for Excellence	.28
49	Student Body's Socio-Economic Status	.68
51	Student Body's Attitude Toward Life	.60
52	Student Body's Family Structure and Stability	.70
53	Student Body's Educational Plans & Desires	.28
54	Student Body's Study Habits	.42
55	Student Body's Achievement Level	.84
56**	Age of Students	.54
56	Proportion of Girls in the School	.27
58	Percent of Students' Parents Who Attend PTA	.20
58**	Foreign Language Spoken by Students' Parents	.29
59**	Foreign Language Spoken by Students	.39
59	Percent of Students Who Attended Kindergarten	.28

* Only Correlations of .20 or greater are presented.

** These are variable numbers from the list in Appendix B.

MULTIPLE REGRESSION ANALYSES OF ACHIEVEMENT AND ATTITUDINAL INDICES AGAINST STUDENT BODY AND SCHOOL VARIABLES

Some of the student indices, in addition to Achievement, can be regarded as being influenced by both the school and the student's home background while others are relatively uninfluenced by the school. For example, the student's Socio-Economic Status, Family Structure and Racial-Ethnic group membership are not readily influenced by the school but do have important influences, as shown by the previous discussion, on the functioning of the schools. Still other indices such as the student's Expectations, Attitude Toward Life, Educational Plans and Desires, and Study Habits can be influenced by both the home background and the school. Consequently these latter indices, in addition to the Achievement Composite were included as dependent variables in the analyses that follow.

In attempting to ascertain the influence of school variables on achievement account must be taken of the kinds of students that these schools get initially. If school A had children primarily from families where intellectual activities were not valued or pursued and school B had children from families where these activities were valued and pursued than one would expect the students in school B to have higher achievement levels than students in school A. These differences could be attributed to the influence of the different families rather than to the schools. Hence it would be appropriate to equate schools for differences in the home background and racial-ethnic composition of their students (since these are important social background variables) before looking at the influence of school variables on achievement. By home background we will mean the student indices of Socio-Economic Status and Family Structure and Stability. To indicate the racial and ethnic composition of the student body the student Racial-Ethnic difference variable will be used.

Before the effects of these variables are controlled for using multiple regression techniques it may be instructive to look at the correlations of these variables with one another and with the dependent variables of interest. These are given in Table 9.

The reader will note in reading across the first three rows in Table 9 that at least one and usually more than one of the three variables that are to be used to equate schools for differences in student inputs are highly correlated with the Achievement Composite (column 8 in Table 9) as well as with the other dependent variables. This suggests that after equating schools for these initial differences there may be very few differences among schools in achievement that could be related to other school variables.

TABLE 9-Intercorrelations of the Equating or Control Variables and the Dependent Variables

	SES 1	FSS 2	REC 3	EXP 4	ATT 5	EDPL 6	STDY 7	ACH 8
1. Socio-Economic Status (SES)	1.00	.67	.68	.47	.60	.69	.57	.82
2. Family Structure and Stability (FSS)	.67	1.00	.70	.66	.75	.56	.82	.66
3. Racial-Ethnic Composition (REC)	.68	.70	1.00	.28	.60	.28	.42	.84
4. Expectations (EXP)	.47	.66	.28	1.00	.72	.69	.82	.31
5. Attitude Toward Life (ATT)	.60	.75	.60	.72	1.00	.62	.79	.64
6. Education Plans and Desires (EDPL)	.69	.56	.28	.69	.62	1.00	.68	.50
7. Study Habits (STDY)	.57	.82	.42	.82	.79	.68	1.00	.46
8. Achievement (ACH)	.82	.66	.84	.31	.64	.50	.46	1.00
9. School variables (full set of 31)*	.82	.65	.92	.42	.59	.56	.45	.92

*This row contains the multiple correlation of the full set of school variables (see pages 6 and 7) with each of the other variables.

This reasoning is also supported by reading across row 9 in Table 9. This row contains the multiple correlation of the full set of 31 school variables (given in the earlier section of this report containing a description of the indices) with each of the other variables. This row shows that the school variables are highly correlated with: the Socio-Economic Status of the student body, the Racial and Ethnic composition of the student body and the Achievement level of the student body. The school variables are moderately correlated with the remaining variables.

Table 10 shows the squared multiple correlations obtained when the dependent variables are regressed against the three control or equating variables of Socio-Economic Status, Family Structure and Stability and the Racial-Ethnic composition of the student body and against the school variables.

TABLE 10

Squared Multiple Correlations of Dependent Variables Against Student Body Variables and School Variables

Variable Set	Expectations	Attitude Toward Life	Educational Plans	Study Habits	Achievement
1.Student Body	.5214	.5847	.6066	.7373	.8207
2.School	.1773	.3500	.3179	.2023	.7601
3.Student Body and School	.6309	.6386	.6679	.7773	.8662
4.(3) - (1)	.1095	.0539	.0613	.0400	.0455
5.(3) - (2)	.4536	.2886	.3500	.5750	.1061

Looking across row 1 of Table 10 the reader will note that Achievement is the most highly predictable of the dependent variables from the control variables, having a squared multiple correlation of .82 or a multiple correlation of about .91. The multiple correlations for the other variables range from .86 for Study Habits to .72 for Expectations.

One might ask why school achievement should be so highly predictable using these three variables? One interpretation is that these results reflect the current social organization of our school systems. Thus, schools are organized along residential lines and residential areas are in turn organized along socio-economic and racial-ethnic lines. This line of thought is further supported by some analyses of individual students when they are not aggregated by schools. These analyses showed that individual student achievement was moderately predictable from the student's Socio-Economic Status, Family Structure and Racial-Ethnic group membership. The multiple correlation for these three variables against Achievement was .60 (see Mayeske, et. al, Unpublished Manuscript #80 in the List of References). One can infer that some kind of a sorting process is going on whereby white students with higher achievement levels and socio-economic status go to school with similar kinds of students which has the effect of making their aggregated school achievement more predictable than individual achievement.

If one is willing to grant that some kind of a sorting process takes place then what can one say about the effects of school variables in such a context? Row 2 of Table 10 shows the multiple correlations of the school variables with the dependent variables. It is clear from this table that all of the dependent variables are more predictable using the control or equating variables than they are using the school variables. By comparing the values in row 3 with their counterparts in row 1 we can get some idea of the additional contribution of the school variables to the dependent variables and by comparing the values in row 3 with their counterparts in row 2 we can get some idea of the additional contribution of the student body variables. These differences, often called the unique variance or contribution, are given in rows 4 and 5. Examination of these values indicates that the relative contribution of the school variables, after home background and racial composition have been controlled for, are small but positive for all the dependent variables. Examination of the values in row 5 indicates that the relative contribution of the student body variables after school variables have been controlled for are moderate to large except for Achievement.

Since the relative contributions of the school variables are small does it mean they are unimportant? Not necessarily, for as we showed earlier, the school variables tend to be bound up or confounded

with the student body characteristics. We are indebted to Dr. Alexander M. Mood for developing a measure which will allow us to express this overlap or commonness. A mathematical exposition of this technique is given in the List of References (see Wisler).

DEVELOPMENT OF A MEASURE OF COMMONALITY: THE TWO SET CASE

Consider the case where there are two sets of variables, a set of student body variables (B) and a set of school variables (S).

Let:

C(B,S) stand for the commonality or overlap of the student body variables (B) and the school variables (S)

$R^2(B)$; the squared multiple correlation of the student body variables with the dependent variable

$R^2(S)$; the squared multiple correlation of the school variables with the dependent variable

$R^2(B,S)$; the squared multiple correlation of the student body and school variables with the dependent variable

$U(B) = R^2(B,S) - R^2(S)$ the unique contribution of the student body variables

$U(S) = R^2(B,S) - R^2(B)$ the unique contribution of the school variables

Then:

$$C(B,S) = R^2(B,S) - U(B) - U(S)$$

and

$R^2(S)$ can be expressed as

$$R^2(S) = C(B,S) + U(S)$$

and

$R^2(B)$ can be expressed as

$$R^2(B) = C(B,S) + U(B)$$

The values for $R^2(S)$ and $R^2(B)$ are given in Tables 11 and 12.

ANALYSES OF THE COMMONALITY OF SCHOOL AND STUDENT BODY VARIABLES: THE TWO SET CASE

TABLE 11

The Squared Multiple Correlations of the School Variables With the Dependent Variables Expressed as a Function of Their Unique Contribution and Their Commonality Coefficient With the Student Body Variables

Dependent Variable	$R^2(S) = C(B,S) + U(S)$
Expectations	.1773 = .0678 + .1095
Attitude Toward Life	.3500 = .2961 + .0539
Educational Plans and Desires	.3179 = .2566 + .0613
Study Habits	.2023 = .1623 + .0400
Achievement	.7601 = .7146 + .0455

In looking at the first column of Table 11 the reader will note that Achievement is the most predictable of the dependent variables from the school variables. Next in descending order are Attitude Toward Life, Educational Plans and Desires, Study Habits and Expectations. When the reader looks at the Commonality Coefficient C(B,S) he will note that almost all of the variance in Achievement predictable from the school variables is bound up in the student body - school overlap. Although the level of predictability is lower this same trend holds for Attitude Toward Life, Educational Plans and Desires and Study Habits. The school has its greatest unique contribution for Expectations and less so for the other variables. Table 12 gives the values for $R^2(B)$.

TABLE 12

The Squared Multiple Correlations of the Student Body Variables With the Dependent Variables Expressed as a Function of Their Unique Contribution and Their Commonality Coefficient With the School Variables

Dependent Variable	$R^2(B) = C(B,S) + U(B)$
Expectations	.5214 = .0678 + .4536
Attitude Toward Life	.5847 = .2961 + .2886
Educational Plans and Desires	.6066 = .2566 + .3500
Study Habits	.7373 = .1623 + .5750
Achievement	.8207 = .7146 + .1061

Table 12 shows that Achievement is not only the most predictable of the dependent variables but is also the one that is most bound up with the student body characteristics. Consequently the student body variables have their lowest unique contribution for Achievement, when compared with the other dependent variables. The student body variables have their greatest unique contribution, in descending order, for Study Habits, Expectations, Educational Plans and Desires, and Attitude Toward Life.

Considering Tables 11 and 12 it appears that both the school variables and the student body variables can have a relatively large unique contribution for Expectations for Excellence because very little of their contribution is bound up in the Commonality Coefficient C(B,S).

In view of the small unique contribution of the school variables (see Table 11) does this mean that they are unimportant or have little influence? No, it does not. What it does indicate is that the influence of the schools is bound up with the kinds of students that attend the school.

The wary reader may feel that we have depicted an unduly pessimistic picture of school influences. He might argue that we have included similar kinds of variables in both the student body and school characteristics

and this tends to unduly inflate the measure of overlap or confounding. One variable that he might select in particular, as an example, is the Racial-Ethnic Difference variable. For we have included as a student body variable the Racial and Ethnic composition of the student body and we have included as a school variable the Racial and Ethnic composition of the teachers. Accordingly, these commonality studies were re-run with the Racial and Ethnic composition of the teachers left out. Consequently, the analyses involve the full set of 30 school variables (referred to earlier). These analyses are given in Tables 13 and 14.

TABLE 13

The Squared Multiple Correlations of the School Variables, Excluding Teacher Racial-Ethnic Composition, With the Dependent Variable Expressed as a Function of Their Unique Contribution and Their Commonality Coefficient With the Student Body Variables

Dependent Variables	$R^2(S) = C(B,S) + U(S)$
Expectations	.1738 = .0702 + .1036
Attitude Toward Life	.3018 = .2494 + .0524
Educational Plans and Desires	.3174 = .2592 + .0582
Study Habits	.1890 = .1491 + .0399
Achievement	.6329 = .5882 + .0447

When the values in Table 13 are compared with those in Table 11 one can note that the level of predictability of all the dependent variables is slightly lower from the school variables when the Racial-Ethnic composition of the teachers is left out of the analyses. This drop in predictability is greatest for the Achievement composite. Most of these reductions are accompanied by reductions in the Commonality coefficient C(B,S), as well. The exception to this is Expectations which shows a slight increase in the Commonality coefficient. The unique contribution of the school variables tends to remain the same with or without the Racial-Ethnic composition of the school's teachers.

Since the reduction in predictability is small for all the dependent variables except Achievement, these analyses show that there is something about being a white or non-white teacher that is of considerable importance for Achievement but not for the other variables. Perhaps there is an entire constellation of lifetime events involved in being a white or non-white teacher that is not fully covered by our comprehensive set of teacher and other school indices. Thus, a non-white teacher when compared with white teachers, may be the product of less than adequate social and educational institutions and these in turn tend to perpetuate themselves through the influence that the teacher brings to the classroom situation. Rather than being a variable to be excluded from the analysis the Racial-Ethnic composition of the teachers appears to be an important variable in studying school achievement.

Table 14 gives the values for school achievement expressed as a function of the unique contribution and overlap of the student body and school variables.

TABLE 14

The Squared Multiple Correlations of the Student Body Variables With the Dependent Variables Expressed as a Function of Their Unique Contribution and Their Commonality Coefficients With the School Variables, Excluding Teacher Racial-Ethnic Composition

Dependent Variable	$R^2(B) = C(B,S) + U(B)$
Expectations	.5214 = .0702 + .4512
Attitude Toward Life	.5847 = .2494 + .3353
Educational Plans and Desires	.6066 = .2592 + .3474
Study Habits	.7373 = .1491 + .5882
Achievement	.8207 = .5882 + .2325

In comparing the values in Table 14 with those in Table 12 the reader will note that although the level of predictability of the dependent variables from the student body variables remains the same,

the decrease in the overlap measures allows the student body variables to make a greater unique contribution. Or perhaps another way of saying this is that what was common to the Racial-Ethnic composition of both the student body and the teachers has now been attributed to the student body variables.

The earlier analysis in Table 13 suggested that it was more meaningful to include than to exclude the Racial-Ethnic composition of the teachers.

The ardent advocate of independent school influences may feel that a sub-set of school variables should be selected from the full set of school variables, that is less situation or social condition bound. An attempt was made to select such a sub-set in order to re-run these analyses. However, inspection of these variables showed that there were very few school variables that were not related to the nature or special needs of the student body. For example, free lunch and milk programs tend to be found in lower SES, non-white schools and the size, facilities and expenditures of a school are related to its rural-urban location (as discussed in an earlier section of this report). Indeed, if a school is at all influenced by and/or responsive to the needs and resources of its students then many of the school variables will of necessity, be related to the nature of the student body. Consequently, the set of school variables should be comprehensive in nature.

In view of the small unique contribution of the school variables the final question that remains is whether or not a sub-set of the school variables has higher commonality coefficients with the student body characteristics than other sub-sets. To make this determination commonality coefficients for four sets of variables will first be developed.

DEVELOPMENT OF MEASURES OF COMMONALITY: THE FOUR SET CASE

The four set case is considerably more complicated than the two set case because a number of higher order commonality coefficients are introduced (see Wisler in the List of References for an exposition of the general case).

Let the four sets of variables be denoted by X_1, X_2, X_3, and X_4.

Then the unique contribution for the ith set is given by

$$U(X_i) = R^2(X_1\ X_2\ X_3\ X_4) - R^2(X_j\ X_k\ X_1)$$

where $R^2(\ )$ represents the squared multiple correlation for the particular set of variables in parentheses with the dependent variable. As an example, the unique contribution for the fourth set would be written as

$$U(X_4) = R^2(X_1\ X_2\ X_3\ X_4) - R^2(X_1\ X_2\ X_3)$$

There is one unique value for each set of variables, namely four in this case.

The second order commonality coefficient is given by

$$C(X_i\ X_j) = R^2(X_1\ X_2\ X_3\ X_4) - R^2(X_k\ X_1) - U(X_i) - U(X_j)$$

As an example, the second order commonality coefficient for the third and fourth sets is

$$C(X_3\ X_4) = R^2(X_1\ X_2\ X_3\ X_4) - R^2(X_1\ X_2) - U(X_3) - U(X_4)$$

There is one second order commonality coefficient for each combination of sets, namely six in this case.

The third order commonality coefficient is given by:

$$C(X_i\ X_j\ X_k) = R^2(X_1\ X_2\ X_3\ X_4) - R^2(X_1) - C(X_i\ X_j) - C(X_i\ X_k) - C(X_j\ X_k)$$
$$-U(X_i) - U(X_j) - U(X_k)$$

There is one third order commonality coefficient for each three way combination, namely four in this case.

The fourth order commonality coefficient of which there is only one, is given by:

$$C(X_1\ X_2\ X_3\ X_4) = R^2(X_1\ X_2\ X_3\ X_4) - R^2(X_1\ X_2\ X_3) - R^2(X_1\ X_2\ X_4)$$
$$- R^2(X_1\ X_3\ X_4) - R^2(X_2\ X_3\ X_4) - R^2(X_1\ X_2) - R^2(X_1\ X_3) - R^2(X_1\ X_4)$$
$$- R^2(X_2\ X_3) - R^2(X_2\ X_4) - R^2(X_3\ X_4) - U(X_1) - U(X_2) - U(X_3) - U(X_4)$$

The fourth order coefficient can be verbally described as the squared multiple correlation for all four sets ($R^2(X_1\ X_2\ X_3\ X_4)$ minus the sum of the four third order commonalities $C(X_j\ X_k\ X_1)$, minus the sum of the six second order commonalities $C(X_jX_k)$, minus the sum of the four unique contributions.

Consequently, the squared multiple correlation for the X_4 set can be represented as the sum of its unique contribution and its different order commonalities, thus:

$$R^2(X_4) = C(X_1\ X_2\ X_3\ X_4) + C(X_1\ X_2\ X_4) + C(X_1\ X_3\ X_4) + C(X_2\ X_3\ X_4)$$
$$+ C(X_1\ X_4) + C(X_2\ X_4) + C(X_3\ X_4) + C(X_4)$$

ANALYSES OF THE COMMONALITY OF SCHOOL AND STUDENT BODY VARIABLES: THE FOUR SET CASE

Let us now define the following empirical sets:

B = the three student body variables of Socio-Economic Status, Family Structure and Stability, and Racial-Ethnic Composition (a set of three variables).

T = the school's personnel and personnel expenditure variables of: the principal's experience, training, sex, and college attended; the school's special staff and services; the principal's estimate of the school's reputation; the teacher's experience, localism, socio-economic background, training, college attended, teaching related activities, preference for high ability students; the proportion of women teachers in the school, the teachers racial-ethnic group membership and their average vocabulary score (a set of seventeen variables)

F= the school's physical characteristics and facility variables of: the plant and facilities, the instructional facilities, the age of the building, and the number of pupils per room (a set of four variables)

P = the school's pupil programs and policies of: teaching, testing, transfers, remedial reading and math programs, free milk and lunch, accreditation, and the age and availability of texts, pupil-teacher ratio, and the number of students enrolled in the school (a set of ten variables).

The different order commonalities for explaining the variance of the dependent variables from the student body variables and their overlap with the three sets of school variables are given in Table 15.

Table 15 shows that the amount of variance in Expectations predictable from the commonality measures is vanishingly small. Although the amount of variance in Expectations bound up with the student body variables is small (see Table 10) that small amount appears to be spread over most of the overlap measures.

For the other dependent variables in Table 15 the picture is more clear cut. For these variables most of the overlap variance is contained in the second order commonality of the student body and school personnel and personnel expenditure variables C(B,T). This is particularly so for Achievement, where better than half of the predictable variance is contained in this overlap measure. Perusal of the other Commonality coefficients in Table 15 shows that the only time a coefficient is high relative to the other values for that dependent variable, is when the set of school personnel and personnel expenditure variables is involved.

In view of the apparent importance of this set of variables it may be instructive to re-examine their content. This set of variables contains both the principal's and the teacher's experience, training, sex and college attended; their view of the school, its situation and reputation, the teacher's social background (localism and socio-economic background), involvement in teaching related activities, preference for high ability students, racial-ethnic group membership and their average vocabulary score. Included also in this set is the school's special staff and services. This set of variables probably reflects both more general social conditions that prevail in our society and a causal relationship with school achievement. Since this commonality with the student body characteristics does prevail it is difficult to conjecture just what proportion of any observed relationship is causal and just what proportion can be attributed to inequities in the social conditions surrounding education (such as the organization of schools along racial and socio-economic lines).

TABLE 15

The Squared Multiple Correlations of the Student Body Variables With the Dependent Variables Expressed as a Function of Their Unique Contribution and Their Commonality Coefficients With the Three Sets of School Variables

Dependent Variables	$R^2(B)$ =	C(B,T,F,P)	+ C(B,T,F)	+ C(B,T,P)	+ C(B,F,P)	+ C(B,T)	+ C(B,F)	+ C(B,P)	+ U(B)
Expectations	.5214 =	-.0019	+ .0151	+ .0051	+ .0042	+ .0233	+ .0149	+ .0155	+ .4536
Attitude Toward Life	.5847 =	.0297	+ .0154	+ .0470	+ .0159	+ .1677	- .0010	+ .0214	+ .2886
Educational Plans and Desires	.6066 =	-.0114	+ .0203	+ .0814	+ .0069	+ .1414	+ .0080	+ .0100	+ .3500
Study Habits	.7373 =	.0159	+ .0119	+ .0261	+ .0117	+ .0819	+ .0037	+ .0111	+ .5750
Achievement	.8207 =	.0561	+ .0304	+ .1197	+ .0052	+ .4891	+ .0004	+ .0137	+ .1061

B - Student Body Variables

T - School Personnel and Personnel Expenditure Variables

F - School Physical Characteristics and Facilities Variables

P - School Pupil Programs and Policies

These difficulties in interpretation should be borne in mind in the following section where selected partial correlations are presented showing the relationships between several variables after their relationship with a third variable (or set of variables) has been removed.

SOME SELECTED PARTIAL CORRELATIONS

The reader can recognize from the previous analyses that it is difficult to decide how much or to what extent the relationships that exist between the independent and dependent variables are causal and to what extent they are the result of some more general social conditions that prevail in our society (such as schools being organized along socio-economic and racial-ethnic lines). Even though they are often times difficult to interpret however these relationships can still be useful. They can be used to document the extent of the relationship that exists for whatever reason. These relationships can also be used in different models of the educational system. Thus, one does not always have to have an explanation of why a relationship exists in order to capitalize on that relationship in simulating changes that might result in an educational system from a particular course of action. For example, one can estimate the achievement levels that might result from locating a school in an area that pulls in students having backgrounds of a certain racial and socio-economic composition. These relationships can also be useful in suggesting educational experiments that could be conducted to either substantiate or alter the relationship. For example, innovative programs might be devised to more heavily involve lower socio-economic families in the educative process. One of the desired outcomes of such a program would be to lessen the dependence of the children's achievement levels on the socio-economic status of their parents by making the family's education related child rearing practices more similar to those of higher socio-economic groups.

Another even more obvious example is the possible effects that monies from Title I of the Elementary and Secondary Education Act might have on schools with students from the lower socio-economic strata. Since Title I gives financial aid primarily to these kinds of schools we might anticipate that all schools will become more homogeneous in terms of their expenditures and perhaps as well on variables related to expenditures. The data in this study provide a measure of the educational system before Title I monies went into effect. If measures of these same variables could be obtained at later points in time, before and after comparisons could be made and possible changes ascertained.

It is in light of these kinds of considerations that the following partial correlations are presented. Partial correlations of selected independent variables with achievement are presented after the correlation between them that is associated with a third variable (or set of variables) has been removed. These partial correlations are more readily interpretable than regression weights and are often times the desired end product since they describe a number of different relationships between the independent and dependent variables that can be utilized after the association attributable to some other variable has been removed (see McNemar in the List of References for an exposition of partial correlational techniques).

Correlations of the Independent Variables With Achievement After the Associations for School Size, Student Body Home Background and Racial-Ethnic Composition Have Been Partialed Out

Table 16 presents the partial correlations of the school and student body variables with the Achievement composite after their associations or correlations with school size (number of students enrolled), the student body's home background (comprised of the Socio-Economic Status and Family Structure indices) and the Racial-Ethnic composition of the student body have been eliminated. The school size variable is considered to be a necessary correlate of expenditures and the partial correlations that remain after the association with size has been removed may be regarded as relationships that are not influenced by size. When both size and family background have been partialed out the relationships that remain are unrelated to size, student body Socio-Economic Status and Family Structure. When the three variables of size, home background and Racial-Ethnic composition have been partialed out the relationships that remain are unrelated to these variables and may indicate variables that have a more direct influence on or are more directly influenced by achievement. The zero order correlations are also presented in order to facilitate comparisons. The partial correlations are presented for those variables whose zero order correlation was .20 or greater.

Inspection of the first two columns in Table 16 shows that Size has very little relationship with these variables, the squared correlation being .0016. The most noteworthy exceptions are Specialized Staff and Services (6) and Pupils Per Room (28) which exhibit some slight dependence on school size.

TABLE 16.- Partial Correlations of the Independent Variables With Achievement After the Associations With School Size, the Student Body's Home Background and Racial-Ethnic Composition Have Been Removed.

VARIABLE NUMBER*	TITLE	ZERO ORDER	PARTIAL CORRELATIONS**		
			SIZE	SIZE, HB	SIZE, HB, RAC
2	Principal's Experience	-.22	-.22	-.19	-.07
3	Principal's Training	.21	.22	.06	.12
6	Specialized Staff and Services	.31	.38	.09	.23
14	Availability of Texts	.21	.21	.09	.08
18	Many Pupils Per Teacher	-.34	-.35	-.23	-.30
19	Teacher Turnover	.22	.22	.22	.18
25	Length of Time Since Non-Whites Entered the School	.20	.20	.19	.18
28	Many Pupils Per Room	-.23	-.27	-.16	-.18
30	Principal's Estimate of the School's Reputation	.26	.26	-.01	-.03
32	Teachers' Experience	-.22	-.22	-.07	-.14
33	Teachers' Working Conditions	.47	.47	.11	.01
35	Teachers' Socio-Economic Background	.32	.32	.06	.04
37	Teachers' College Attended	.31	.31	.13	.05
38	Teachers' Teaching Related Activities	-.30	-.30	-.17	.01
39	Teachers' Preference for High Ability Students	.32	.32	.09	-.03
40	Teachers' Sex (High Proportion Female)	-.22	-.22	-.04	-.04
41	Teachers' Racial-Ethnic Group Membership	.77	.77	.60	.17
42	Percent of White Students at Teachers' Undergraduate Institution	.76	.76	.60	.18
43	Teachers' Salary	.24	.24	.07	.17
44	Percent of White Students in Teacher's Class	.75	.76	.48	-.13
46	Average Size of Teachers' Class	.30	.31	.24	.19
47	Teachers' Vocabulary Score	.58	.58	.37	.21
48	Student Body's Expectations	.31	.31	-.38	-.17
49	Student Body's Socio-Economic Status	.82	.82	.00	.00
51	Student Body's Attitude Toward Life	.64	.65	.18	.20
52	Student Body's Family Structure and Stability	.66	.67	.00	.00
53	Student Body's Educational Plans and Desires	.50	.50	-.19	.18
54	Student Body's Study Habits	.46	.46	-.31	-.05
56	Proportion of Girls in the School	.28	.28	-.26	-.09
57	Racial-Ethnic Composition of Student Body	.84	.85	.64	.00
58	Student Body's Parents PTA Attendance	.25	.25	-.32	-.06
Squared Multiple Correlation of the Variables Partialed Out With Achievement		--	.0016	.7008	.8220

* The variable numbers refer to the list of variables as they appear in Appendix A.

**These columns contain the partial correlations after Size, Size and Home Background (Socio-Economic Status and Family Structure and Stability); and Size, Home Background and Racial-Ethnic Composition of the Student Body have been removed, respectively.

Comparison of columns 2 and 3 in Table 16 gives one an idea of the dependence of these variables on Home Background (Socio-Economic Status and Family Structure). Almost all of these variables show some dependence on Home Background. The notable exceptions are the Principal's Experience (2), Teacher Turnover (19), and Length of Time Since Non-Whites Entered the School (25). The relationship of Size and Home Background to Achievement is substantial, the squared multiple correlation being .7008.

By comparing columns 3 and 4 in Table 16 one can get an idea of the dependence of each of these variables on the Racial and Ethnic composition of the Student Body. This dependence does not appear to be straight forward however. For example, some correlations diminish when the Racial-Ethnic composition is partialed out, others remain the same and still others increase in magnitude. Those variables that retain a relatively moderate relationship with Achievement are of particular interest. These variables are: the Principals Training (3); Specialized Staff and Services (6); Many Pupils Per Teacher (18); Teacher Turnover (19); Length of Time Since Non-Whites Entered (25); Many Pupils Per Room (28); Teacher's Experience (32) and Racial-Ethnic Group Membership (41); Percent of White Students at Teachers Undergraduate Institution (42); Salary (43); Percent of White Students in Teacher's Class (44); Average Class Size (46) and; Teacher's Vocabulary Score (47); the Student Body's Expectations (48); Attitude Toward Life (51); and Educational Plans and Desires (53).

The instructional and instructional expenditure variables of Principal's Training, Specialized Staff and Services, and Pupils Per Teacher have a moderate relationship with Achievement and reaffirm our earlier line of reasoning which suggested that school personnel was one of the most important sets of variables for Achievement. The slight negative relationship of the Teacher's Experience with Achievement suggests that there may be a point beyond which age and years of teaching are not beneficial (and may even be detrimental) in the aggregate. The positive relationship for the Teacher's Racial-Ethnic Group membership and Percent of White Students at their Undergraduate Institution might reflect the influence of a more favorable climate for Achievement. Thus, if in many predominantly white schools there is a disproportionately greater emphasis on Achievement then the racial background of the teacher could still relate to school achievement (viz. ther may be a non-linear relationship of these variables with Achievement). This same kind of

reasoning may also hold, in the reverse direction, for the Percent of White Students in the Teacher's Class (44), and for Teacher's Salary (43), Class Size (46) and Vocabulary (47) or they may reflect more nearly causal kinds of relationships. The meaning of the negative relationship of Expectations (48) with Achievement is not readily apparent. Perhaps this reflects unrealistically high expectations which may operate to produce lower achievement. The relationships of Attitude Toward Life (51) and Educational Desires and Plans (53) with Achievement are meaningful in that schools with a preponderance of future oriented, motivated students may have higher achievement levels than do other schools, irrespective of the social background of their students.

REGIONAL VARIATIONS IN THE REGRESSION OF ACHIEVEMENT AND ATTITUDES ON STUDENT BODY HOME BACKGROUND AND RACIAL-ETHNIC COMPOSITION

The possibility was alluded to earlier in this report that the regressions of Achievement on different variables may be different when schools are categorized or stratified in different ways. One very important way of categorizing schools is into different regions of the United States, for the social organization of school systems and educational practices may vary considerably for say, New England and the Southeast.

The remainder of this report presents the regressions of the Achievement and Attitudinal indices on Home Background and Racial-Ethnic composition of the Student Body for different regions of the United States. The different regional classifications used are given in Table 17.

TABLE 17.- Regional Classification of States Used in the Educational Opportunities Survey

REGIONAL NUMBER	REGIONAL TITLE	STATES INCLUDED IN THIS REGION
I	New England	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont
II	Mid-Atlantic	Delaware, Washington, D.C., Maryland, New Jersey, New York and Pennsylvania
III	Great Lakes	Indiana, Michigan, Ohio, Illinois and Wisconsin
IV	Plains	Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota
V	Southeast	Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi North Carolina, South Carolina, Tennessee, Virginia, and West Virginia
VI	Southwest	Arizona, New Mexico, Oklahoma, and Texas
VII	Far West and Rocky Mountain	Alaska, California, Colorado, Hawaii, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming.

Multiple Regression of Achievement on Student Home Background and Racial-Ethnic Composition for Different Regions

Table 18 gives the squared multiple correlations of Achievement on various combinations of student Socio-Economic Status (SES), Family Structure and Stability (FSS) and Racial-Ethnic Composition (REC). The combined variables of SES and FSS are called Home Background.

TABLE 18. - Multiple Regression of Achievement on Student Home Background and Racial-Ethnic Composition for Different Regions

REGION	Squared Multiple Correlations				
	SES	SES FSS	REC	SES FSS REC	N*
I New England	.6054	.6323	.2009	.6746	25
II Mid-Atlantic	.8263	.8742	.6581	.8856	135
III Great Lakes	.4428	.7316	.6757	.7776	88
IV Plains	.6759	.7610	.5086	.7704	53
V Southeast	.6850	.6858	.7464	.8694	389
VI Southwest	.6293	.7299	.7607	.8249	125
VII Far West and Rocky Mountain	.4405	.5102	.7619	.7738	108
All Regions Combined	.6666	.6905	.7101	.8207	923
Within Regions	.6303	.6629	.7117	.8130	923
Among Regions	.8890	.9043	.9452	.9737	7

* N indicates the number of schools in each region (or for Among regions, the number of regions).

Inspection of the first column of Table 18 shows the dependence of school achievement on the Socio-Economic Status of the students for different regions as well as for all regions combined. This column shows that this dependence is greatest for schools in the Mid-Atlantic region and least for the Far West and Great Lakes regions. The Within regions values are obtained by subtracting the regional means or averages from the schools in that region and then pooling these regional deviations over regions (weighting for the number of schools in each region) and computing the regression. By comparing the values for All regions with the values for Within regions one can see the extent of contribution of regional differences when all regions are combined. For example, in column 1, the difference between All regions and Within regions is .6666 - .6303 = .0363. Thus about 4 percent of the variation in school achievement predictable from SES can be attributed to regional differences.

The among regions values are computed by regressing the regional Achievement averages on the regional SES averages. Column 1 shows that regional differences in Achievement are highly predictable using regional differences in SES.

Column 2 in Table 18 shows the dependence of school achievement on student Home Background (SES and FSS). Again the greatest dependence is exhibited for the Mid-Atlantic states and the least dependence for the Far West and Rocky Mountain region. The Great Lakes region exhibits a considerable increment when Family Structure (FSS) is brought into the regression. The regional differences still account for about 3 percent of the variance in school Achievement predictable from Home Background (.6905 - .6629 = .0276). Using both SES and FSS the Among region differences in Achievement are even more predictable (.9043).

The extent of dependence of school Achievement on the Racial and Ethnic Composition of the Student Body is given in Column 3. The squared correlation for schools in the New England region is remarkably lower than for any of the other regions. The next lowest value is for the Plains region, however, this value is more than twice the value for the New England schools. Next in ascending order are the Mid-Atlantic and Great Lakes regions and then clustering closely together are the Southeast, Southwest and Far West and Rocky Mountain regions. It is also of interest to note that the Within regions differences are almost identical to the Combined regions, indicating that regional mean differences are not making much of a contribution in the overall or combined analysis. This does not mean however that the regions are not different from one another

(Among) as evidenced by the squared multiple correlation of .9452 which indicates a high degree of predictability of differences Among regions knowing only the Racial and Ethnic composition of the ninth grade students in these schools in these regions.

The most important column is the fourth one which gives the dependence of school Achievement on the combined variables of SES, FSS and REC. These values show that the greatest dependence exists in the Mid-Atlantic, Southeast and Southwest regions. The dependence for the other regions is roughly 10 percent less. This suggests that if these latter regions were combined and regressions were recomputed the school variables might be able to make a greater relative contribution to school Achievement. The results of such a study are presented in a later section. The reader will also note that the difference between All regions and Within regions is very small and that the differences among regions are very highly predictable using these three variables.

Multiple Regression of Expectations on Student Home Background and Racial-Ethnic Composition for Different Regions

Table 19 gives the squared multiple correlations of Expectations for Excellence on various combinations of Student Socio-Economic Status (SES) Family Structure and Stability (FSS) and Racial-Ethnic Composition (REC). The combined variables of SES and FSS are called Home Background.

TABLE 19. - Multiple Regressions of Expectations on Student Home Background and Racial-Ethnic Composition for Different Regions

	Squared Multiple Correlations				
REGION	SES	SES FSS	REC	SES FSS REC	N*
I New England	.1348	.4078	.0087	.4261	25
II Mid-Atlantic	.3135	.4381	.1560	.5518	135
III Great Lakes	.0714	.1648	.0220	.3014	88
IV Plains	.2932	.3802	.1570	.4087	53
V Southeast	.3148	.5740	.0874	.6562	389
VI Southwest	.1016	.1254	.0185	.1944	125
VII Far West & Rocky Mountain	.5578	.7442	.3158	.7580	108
All Regions Combined	.2219	.4373	.0812	.5214	923
Within Regions	.2926	.4851	.0990	.5632	923
Among Regions	.1420	.6006	.0807	.7893	7

* N indicates the number of schools in each region (or for Among regions, the number of regions)

Column 3 in Table 19 shows that there is a remarkably low dependence of Expectations on the Racial and Ethnic composition of the students except for the Far West and Rocky Mountain region. There is a much greater dependence on the Socio-Economic Status and Home Background (SES and FSS) of the students than on their Racial and Ethnic Composition. The dependence on Home Background is greatest for the Far West and Southeast regions and lowest for the Southwest and Great Lakes regions. This ranking tends to remain the same when one looks at Home Background and Racial-Ethnic Composition combined. The regional differences tend to attenuate the prediction of Expectations as evidenced by a squared multiple correlation of .5214 for all Regions combined and a value of .5632 for Within regions.

Multiple Regression of Attitude Toward Life on Student Home Background and Racial-Ethnic Composition for Different Regions

Table 20 gives the squared multiple correlations of Attitude Toward Life on various combinations of Student Socio-Economic Status (SES), Family Structure and Stability (FSS) and Racial-Ethnic Composition (REC). The combined variables of SES and FSS are called Home Background.

TABLE 20 - Multiple Regression of Attitude Toward Life on Student Home Background and Racial-Ethnic Composition for Different Regions

Squared Multiple Correlations

REGION	SES	SES FSS	REC	SES FSS REC	N*
I New England	.0622	.3930	.0729	.3991	25
II Mid-Atlantic	.3930	.5844	.3240	.6129	135
III Great Lakes	.1158	.4707	.3963	.4813	88
IV Plains	.4874	.5138	.2188	.5195	53
V Southeast	.4032	.5668	.3564	.5782	389
VI Southwest	.2649	.3490	.2583	.3513	125
VII Far West and Rocky Mountain	.3641	.8206	.3921	.8206	108
All Regions Combined	.3631	.5822	.3573	.5847	923
Within Regions	.3380	.5622	.3272	.5643	923
Among Regions	.7624	.9030	.8961	.9270	7

* N indicates the number of schools in each region (or for Among regions, the number of regions).

Column 3 in Table 20 shows the dependence of Attitude Toward Life on the Racial and Ethnic composition of the students. This dependence is least for New England, intermediate for the Plains and Southwest and greatest for the remaining regions. This trend alters somewhat for Socio-Economic Status and Home Background. Thus, the dependence of Attitude Toward Life on SES is least for New England and the Great Lakes and greatest for the Plains and the Southeast. Even this ranking tends to alter somewhat when Family Structure (FSS) is brought into the analysis. For now the dependence is remarkably greater for the Far West and Rocky Mountain region and least for the Southwest and New England. When Home Background (SES and FSS) and Racial-Ethnic composition are combined (see column 4) the dependence of Attitude Toward Life on these variables remains greatest for the Far West and least for the Southwest.

Multiple Regression of Educational Plans and Desires on Student Home Background and Racial-Ethnic Composition for Different Regions

Table 21 presents the squared multiple correlations for the regression of Educational Plans and Desires on various combinations of Student Socio-Status, Home Background (SES and FSS) and Racial-Ethnic composition.

In scanning Table 21 one is impressed by the lack of dependence of Educational Plans and Desires on Racial-Ethnic composition but the moderate to strong dependence on Socio-Economic Status of the students Apparently even with publicly supported institutions of higher learning the desire and intent to go to college is still dependent upon the individuals's socio-economic background.

When all three variables are brought into the analysis (see column 4) the dependence of Educational Plans and Desires is even more pronounced. The dependence is fairly similar and highest for the Mid-Atlantic, Far West, New England and Great Lakes Regions. The dependence is lowest for the Southwest.

TABLE 21. - Multiple Regression of Educational Plans and Desires on Student Home Background and Racial-Ethnic Composition for Different Regions

REGION	Squared Multiple Correlations SES	SES FSS	REC	SES FSS REC	N*
I New England	.6784	.6811	.0007	.7352	25
II Mid-Atlantic	.7062	.7177	.1727	.7912	135
III Great Lakes	.5923	.6084	.0221	.7167	88
IV Plains	.5399	.5459	.0954	.6426	53
V Southeast	.4274	.4432	.0232	.6419	389
VI Southwest	.2862	.2903	.0884	.3299	125
VII Far West and Rocky Mountain	.6101	.7691	.3235	.7847	108
All Regions Combined	.4709	.4878	.0812	.6066	923
Within Regions	.4992	.5140	.0699	.6413	923
Among Regions	.3467	.3505	.3712	.3851	7

* N indicates the number of schools in each region (or for Among regions, the number of regions)

Multiple Regression of Study Habits on Student Home Background and Racial-Ethnic Composition for Different Regions

Table 22 gives the squared multiple correlations for the regression of Study Habits on Student Home Background and Racial-Ethnic composition for different regions.

TABLE 22. - Multiple Regression of Study Habits on Student Home Background and Racial-Ethnic Composition for Different Regions

	Squared Multiple Correlations				
REGION	SES	SES FSS	REC	SES FSS REC	N*
I New England	.1116	.5606	.0651	.5608	25
II Mid-Atlantic	.3642	.5714	.2691	.6342	135
III Great Lakes	.2612	.4832	.2565	.5041	88
IV Plains	.4702	.5539	.1923	.6122	53
V Southeast	.4033	.7128	.1422	.7790	389
VI Southwest	.1395	.3697	.1246	.3957	125
VII Far West and Rocky Mountain	.3769	.8907	.3510	.8968	108
All Regions Combined	.3211	.6785	.1810	.7373	923
Within Regions	.3280	.6775	.1695	.7364	923
Among Regions	.4519	.8147	.5314	.8426	7

* N indicates the number of schools in each region (or for Among regions, the number of regions)

Column 1 in Table 22 shows that Study Habits has a moderate dependence upon the SES of the students. The most striking dependence of Study Habits is on Family Structure and Stability (FSS) as evidenced by the increase in the squared multiple correlation when SES alone (column 1) is compared with the regression for both SES and FSS (column 2). The greatest increase is for the Far West with New England and the Great Lakes regions

next highest. The smallest increase is for the Plains region and this is also the region for which the dependence of Study Habits on SES is greatest. The dependence of Study Habits on Family Structure is meaningful in that many of the variables that comprise the Study Habits index are concerned with child-parent relationships such as how often he was read to as a child, how frequently he discusses his school work with his parents, etc. The dependence of Study Habits on Home Background and Racial-Ethnic composition is greatest for the Far West and Southeast and least for the Southwest.

Comparison of the Multiple Regressions of the Dependent Variables on Home Background and Racial-Ethnic Composition for Different Regions

Table 23 presents a comparison of the squared multiple correlations of the dependent variables with Socio-Economic Status, Family Structure and Stability and Racial-Ethnic Composition for different regions.

TABLE 23. - Squared Multiple Correlations of the Dependent Variables With Home Background and Racial and Ethnic Composition for Different Regions

	Squared Multiple Correlations*					
REGION	ACH	EXP	ATT	EDPL	STDY	N*
I New England	.6746	.4261	.3991	.7352	.5608	25
II Mid-Atlantic	.8856	.5518	.6129	.7912	.6342	135
III Great Lakes	.7776	.3014	.4813	.7167	.5041	88
IV Plains	.7704	.4087	.5195	.6426	.6122	53
V Southeast	.8694	.6562	.5782	.6419	.7790	389
VI Southwest	.8249	.1944	.3513	.3299	.3957	125
VII Far West & Rocky Mountain	.7738	.7580	.8206	.7847	.8968	108
All Regions Combined	.8207	.5214	.5847	.6066	.7373	923
Within Regions	.8130	.5632	.5643	.6413	.7364	923
Among Regions	.9737	.7893	.9270	.3851	.8426	7

* The abbreviations are: ACH for Achievement, EXP for Expectations, ATT for Attitude Toward Life, EDPL for Educational Plans and STDY for Study Habits. N indicates the number of schools in each region (or for Among regions, the number of regions).

Inspection of Table 23 shows that there is considerable fluctuation in the relative dependence of the dependent variables on Home Background and Racial-Ethnic Composition for the different regions. Thus, for Achievement (column 1) the dependence is greatest for the Mid-Atlantic, Southeast and Southwest regions whereas for the other variables the dependence is almost always greatest for the Far West, Southeast and Mid-Atlantic regions. Further, for the variables other than Achievement the dependence is usually least for the Southwest, Great Lakes and Plains regions. An investigation of the relative contribution of school variables and student body variables to Achievement for those regions where the dependence of Achievement on Home Background and Racial-Ethnic Composition is least (regions I, III, IV and VII) is presented in the following section.

CORRELATIONAL AND REGRESSION ANALYSES FOR REGIONS WHERE THE DEPENDENCE OF ACHIEVEMENT ON STUDENT BODY HOME BACKGROUND AND RACIAL-ETHNIC COMPOSITION IS LOWER

The previous section showed that the dependence of school achievement on the student body's Socio-Economic Status (SES), Family Structure and Stability (FSS) and Racial-Ethnic Composition (REC) was relatively lower for four of the seven regions. Accordingly, the schools from these four regions were pooled and some of the earlier analyses were re-run. The total number of schools obtained by pooling the New England, Great Lakes, Plains and Far West regions (regions 1, 3, 4 and 7 in Table 17) was 274. The variables used in these analyses are the same as those used in the earlier analyses.

Table 24 gives the intercorrelations of the equating variables of SES, FSS and REC and their correlations with the school variables and with the Achievement composite. Inspection of Table 24 shows that the three student body variables are still moderately to highly correlated with Achievement as well as with the school variables. When these correlations are compared with those in Table 9 one notes that the only marked change is in the correlation of SES with Achievement being .71 using only the schools from regions 1, 3, 4 and 7 and being .82 when the schools from all regions are used. This suggests again, as in the earlier section of this report, that the school influences are bound up with the student body characteristics and consequently, when schools are equated for student body differences there will be few if any differences between schools remaining. In doing these analyses it was thought that the

TABLE 24.-Intercorrelations of the Equating or Control Variables and Their Correlations With Achievement for the New England, Great Lakes, Plains and Far West Regions

	SES	FSS	REC	ACH
1. Socio-Economic Status (SES)	1.00	.59	.61	.71
2. Family Structure and Stability (FSS)	.59	1.00	.72	.67
3. Racial-Ethnic Composition (REC)	.61	.72	1.00	.81
4. Achievement (ACH)	.71	.67	.81	1.00
5. School Variables (full set of 31)*	.85	.77	.90	.90

*This row contains the multiple correlation of the full set of school variables (see pages 6 and 7) with each of the other variables.

contribution of the school might be greater if there was less dependence of school achievement on the home background and racial composition of the schools. Table 25 gives the squared multiple correlations and relative contributions for the student body and school variables.

Inspection of rows 1 and 2 in Table 25 shows that school Achievement is more predictable from the school variables than from the student body variables, the squared multiple correlations being .8105 and .7390 respectively. When both sets of variables are entered into the regression the squared multiple correlation does not increase very much over the value for the school variables taken alone (row 3). These two sets of variables combined yield a squared multiple correlation of about .86 or a multiple correlation of .93. Rows 4 and 5 of Table 25 give the unique contribution of the school and student body variables respectively. These rows show that the school variables make a greater relative contribution to Achievement than do the student body variables, the values being about .12 and .05 respectively. This analysis strongly suggests that the Socio-Economic Status of the student body is an important variable on which to stratify

TABLE 25.-Squared Multiple Correlations of Achievement With Student Body and School Variables for the New England, Great Lakes, Plains and Far West Regions

	VARIABLE SET	ACHIEVEMENT
1.	Student Body	.7390
2.	School	.8105
3.	Student Body and School	.8576
4.	(3) - (1)	.1186
5.	(3) - (2)	.0471

schools and then examine the regression of Achievement on other school variables.

Table 26 gives the squared multiple correlations of the school and student body variables expressed as a function of their unique contribution and their commonality coefficients. These coefficients are obtained in the same manner as the two set case given in an earlier section of this report.

Inspection of Table 26 shows that most of the predictable variance in Achievement is still bound up in the overlap or commonality between the school and student body variables. When these values are compared with their counterparts in Tables 11 and 12 the reader will note that the level of predictability for the school variables is higher for these selected regions than when all regions are combined. However, the commonality coefficient is only slightly smaller, the difference being about .02. A reversal occurs in the unique contribution of the school and student body variables. Whereas in the earlier analysis the relative contribution of the student body variables was greater than for the school variables this ordering is now reversed when we work with only regions 1, 3, 4 and 7.

TABLE 26.-The Squared Multiple Correlations of Achievement With The School Variables and the Student Body Variables Expressed as a Function of Their Unique Contribution and Their Commonality Coefficients, for the New England, Great Lakes, Plains and Far West Regions

$$R^2(S) = C(B,S) + U(S)$$

$$.8105 = .6919 + .1186$$

$$R^2(B) = C(B,S) + U(B)$$

$$.7390 = .6919 + .0471$$

Table 27 gives the squared multiple correlation of the student body variables with Achievement expressed as a function of their commonality coefficients with the three sets of school variables. These variables are the same as those used for Table 15.

TABLE 27.-The Squared Multiple Correlation of the Student Body Variables With Achievement Expressed as a Function of Their Unique Contribution and Their Commonality Coefficients With the Three Sets of School Variables for the New England, Great Lakes, Plains and Far West Regions

$R^2(B)$ =	C(B,T,F,P)	+ C(B,T,F)	+ C(B,T,P)	+ C(B,F,P)	+ C(B,T)	+ C(B,F)	+ C(B,P)	+ U(B)
.7390 =	-.0482	+ .0808	+ .1049	+ .0302	+ .4149	.0005	+ .1088	+ .0471

B = Student Body Variables

T = School Personnel and Personnel Expenditure Variables

F = School Physical Characteristics and Facilities Variables

P = School Pupil Programs and Policies

Table 27 shows that the greatest commonality occurs between the school personnel and personnel expenditure variables and the student body variables (.4149). The next highest value occurs for the student body variables with the pupil programs and policies (.1088). The third order commonality coefficient for student body, school personnel and pupil programs is the next highest (.1049) followed by the third order coefficient for student body, school personnel and facilities (.0808). These findings parallel in part those in Table 15. In that Table the school personnel and expenditure variables show the greatest involvement with the student body variables in predicting Achievement. However, the pupil program and facilities variables do not display the extent of relationship in Table 15 that they do in Table 27. Although it is difficult to determine causality in these coefficients the fact that commonality coefficients of this magnitude do exist suggests that at least some of these school variables other than personnel may be both influenced by and have an influence upon the student's Achievement.

The most salient findings of the analyses for these selected regions is that the school variables can have a greater contribution to school Achievement than student body variables and that the Socio-Economic Status of the student body is an important variable to stratify schools on in order to uncover some of these relationships.

SUMMARY AND CONCLUSIONS

This report discusses the steps involved in reducing the 400 variables from the Educational Opportunities Survey into a smaller number of indices so that the volume of data processing and complexity of later analyses could be reduced. Descriptions are given of the indices obtained from these analyses.

Correlational and regression analyses of these indices and other variables with the Achievement levels of ninth grade schools are given. The correlations of school and student body variables with: the rural-urban location of the school, the number of students enrolled in the school, the principal's training, pupil teacher ratio, school achievement levels, the student body's socio-economic status and the student body's racial and ethnic composition are presented and discussed.

Regression analyses of the student body's Achievement levels, Expectations, Attitude Toward Life, Educational Plans and Study Habits, against student body and school variables showed that the student body variables made a greater relative contribution than the school variables. The school variables were found to be highly correlated with the student body variables of Socio-Economic Status and Racial-Ethnic composition as well as with school Achievement. Analyses of the overlap of the student body and school variables showed that almost all of the predictable variance in Achievement was contained in the student body-school overlap.

Consequently when schools are equated for the kinds of students that they get initially they tend also to be equated for the influence that they have on these students. However, when schools were equated for differences in their size, and the home background and racial composition of the student body through partial correlation techniques, such variables as: pupil teacher ratio; specialized staff and services; teachers' turnover, experience, salary, race, class size and verbal facility continued to show low to moderate relationships with Achievement.

More detailed analyses showed that for Achievement, the student body variables had their greatest overlap with the school personnel and personnel expenditure variables. This suggests that this latter set of variables may be most important in promoting Achievement.

Regional analyses were conducted of the regression of Achievement and attitude indices on student body variables. Considerable regional differences in the dependence of school Achievement on student body home background and Racial-Ethnic composition were discerned. For schools where the dependence of Achievement on the Socio-Economic Status of the students was lowest the school variables made a greater contribution to Achievement than did the student body variables. This highlights not only the importance of Socio-Economic Status in studying school Achievement but suggests that the school variables that contribute to Achievement may differ for students from different socio-economic backgrounds. An analysis investigating these differences is currently being conducted.

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APPENDIX A

Means, Standard Deviations and Intercorrelations

The means and standard deviations are not in a readily interpretable form. The means and standard deviations of the teacher and student indices and variables were standardized to a mean of zero and a standard deviation of one for total teachers and total students. When the teacher or student values are then aggregated by schools and averaged by the number of teachers or students in the school, these averages can take on positive or negative values. Similarly, the teacher and student standard deviations don't have any particular metric, it's rather the relative differences that are meaningful. The items from the principal questionnaire were standardized using the means and standard deviations for all schools included in the survey. Since this study included only ninth grade schools this standardizing operation brought the means and standard deviations close to zero and one relative to their pre-standardization values but did not make them identically zero and one. Many of the indices have means and standard deviations greater than zero and one since they represent the weighted sum of several variables.

List of Variables

Number	Title
1	Plant and Physical Facilities - comprised of area of plant, possession of central library, auditorium, gymnasium, cafeteria, atheletic field, kitchen, infirmary or health room
2	Principal's Experience - comprised of number of years as a principal, years as a principal in present school and years of age
3	Principal's Training - comprised of the principal's highest degree held and salary
4	Principal's College Attended - comprised of the ranking of the undergraduate institution, highest degree offered by that institution and its location
5	Instructional Facilities - comprised of number of volumes in the library; possession of a shop, biology, chemistry, physics and foreign language labs, a typing room, movie projectors; and offering a number of extracurricular activities
6	Specialized Staff and Services - higher scoring schools have: a free kindergarten; art, music, speech and remedial reading teachers; more guidance counselors; provisions for mental health services; a librarian; a nurse; an attendance officer and offer special classes.
7	Tracking and Ability Grouping - high scoring schools practice ability grouping or tracking, have: a high proportion of students moving between tracks and an accelerated curriculum
8	Testing - higher scoring schools frequently administer intelligence, achievement and interest tests
9	Transfers - higher scoring schools have a larger percent of students transferring in and out
10	Remedial Programs - high scoring schools have a higher percent of students in remedial math and/or reading classes
11	Free Milk and Lunch Programs - higher scoring schools have a higher proportion of students who get free milk and/or lunch.

List of Variables (cont'd.)

Number	Title
12	Accreditation - higher scoring schools have state and regional accreditation
13	Age of Texts - high scoring schools have older texts
14	Availability of Texts - high scoring schools provide free textbooks and have a sufficient supply available
15	Rural-Urban Location of School - high scoring schools are in the inner cities and large city suburbs, low scoring schools are in small towns or rural areas
16	Principal's Estimate of the Student Body's Socio-Economic Status - high scoring schools have children of predominantly professional and white collar workers, low scoring schools have children of predominantly factory or blue collar workers and rural families
17	Parent-Teachers Association - a high scoring school has a large parent turnout for PTA
18	Pupil Teacher Ratio - high scoring schools have many pupils per teacher
19	Teacher Turnover - high scoring schools lose a higher proportion of teachers for reasons other than death or retirement
20	Teacher Tenure - high scoring schools have an official teacher tenure system
21	Teacher Examinations - high scoring schools use national or local examinations for appointing teachers
22	Number of Students Enrolled in the School - high scoring schools have more students
23	Principal's Estimate of the Proportion of White Students in the School - high scoring schools have a higher proportion of white students
24	Principal's Estimate of the Scope and Severity of School Problems - high scoring schools have many problems with destruction of school property, impertinence and discourtesy, racial tensions, stealing, etc.

List of Variables (Cont'd)

Number	Title
25	Length of Time Since Non-Whites Entered the School - high scoring schools have had non-whites in the school longer
26	Amount of Homework Expected Per Day - high scoring schools expect more hours per day of homework
27	Age of Building - a high score indicates an older building
28	Pupils' per Room Ratio - a high score indicates many pupils per room
29	Principal's Sex - a high score indicates a female principal
30	Principal's Estimate of the School's Reputation - a high score indicates that the school has a good reputation among other educators in the area
31	Principal's Percent of Time Devoted to Teaching - a high score indicates a large proportion of time devoted to teaching
32	Experience - comprised of the teacher's age, years of teaching experience and years of teaching in his present school
33	Teaching Conditions - comprised of various aspects of the teachers's view of his teaching situation such as how hard the students try to achieve, their academic ability, the reputation of the school and student disciplinary, racial, etc. problems
34	Localism of Background - a teacher with a high score has spent most of his life in a small geographic area and has graduated from high school and college in that locale
35	Socio-Economic Background - comprised of the teacher's parent's educational level, father's occupation and rural urbanness of their background
36	Training - comprised of the teacher's highest degree held, certification, salary level and tenure

List of Variables (Cont'd)

Number	Title
37	College Attended - comprised of the kind of undergraduate institution attended (e.g. normal school, public or private university, etc.) the highest degree offered by that institution and the teacher's rating of the academic level of the institution
38	Teaching Related Activities - comprised of the hours of unofficial time spent in preparation for class and counseling, the number of educational journals read regularly, etc.
39	Preference for High Ability Students - teacher prefers to work with students of higher ability, socio-economic status, etc.
40	Teachers' Sex - scored high for a female, low for a male
41	Racial-Ethnic Differences in Contextual Vocabulary - a variable created by assigning each teacher the average vocabulary score obtained by his racial or ethnic group
42	Percent of White Students at Teachers' Undergraduate Institution - a high score indicates that many of the teachers in the school attended predominantly white undergraduate institutions
43	Teachers' Salary - a high score indicates a high average teacher salary
44	Percent of White Students in Teachers' Class - a high score indicates that many teachers in the school have a high percent of white students in their classes
45	Number of Hours Per Day Spent in Teaching - a high score indicates many hours per day spent in teaching
46	Average Class Size - a high score indicates a high proportion of average size (15 - 30 pupils) classes
47	Vocabulary Score - total number of items correct on a contextual vocabulary test
48	Student Body's Expectations for Excellence - a high score indicates the student body has high expectations for achievement.

List of Variables (Cont'd)

Number	Title
49	Student Body's Socio-Economic Status - a high score indicates the student body has a high SES level
50	Student Body's Social Confidence - a high score indicates the student body has high confidence in it's ability to do things. This index was eliminated for the regressions due to its high correlation with Attitude Toward Life
51	Student Body's Attitude Toward Life - a student with a high score on this index believes that people like himself have a chance to be successful, when he tries to get ahead he won't experience many obstacles, hard work is more important than good luck for success, won't have a hard time getting a job with a good education, etc.
52	Student Body's Family Structure and Stability - a student with a high score has both his father and mother in the home, father is the major source of income, he hasn't changed schools recently, etc.
53	Student Body's Educational Desires and Plans - a student with a high score desires and plans to go to college, his parents want him to go to college and he has high occupational level aspirations
54	Student Body's Study Habits - a student with a high score spends about 2 hours a day studying, has frequent discussions about his school work with his parents, was read to as a child before he started school, read many books during the summer, etc.
55	Student Body's Achievement Level - a high score indicates high average achievement
56	Proportion of Females in Student Body - a high score indicates a high proportion of females
57	Student Body's Racial and Ethnic Composition - a variable created by assigning each student the average achievement score obtained by his racial or ethnic group. Whites and Oriental Americans are scored high with Negroes, Puerto-Ricans, Mexican-Americans and Indian-Americans scored low. Consequently, a high score indicates a high proportion of whites and Oriental-Americans in the school

List of Variables (Cont'd)

Number	Title
58	Student Body's Parental PTA Attendance - a high score indicates a high proportion of students whose parents attend PTA
59	Student Body's Kindergarten Attendance - a high score indicates a high proportion of students who attend kindergarten.

T REGRESSION

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	1	13064.	13064.	12934.	13064.	12825.	12831.	13064.	12538.	12907.	12885.
AVE X		1.4979	1.4979	1.4986	1.4979	1.5025	1.5081	1.4979	1.4907	1.5107	1.5012
AVE Y		1.4979	0.0617	0.4564	0.1159	6.3354	1.8847	0.5164	0.2247	-0.3045	0.5731
SIG X		1.9186	1.9186	1.9211	1.9186	1.9335	1.9260	1.9186	1.9057	1.9163	1.9258
SIG Y		1.9185	2.2476	1.3309	1.2931	4.2619	4.2934	2.6298	1.8342	1.2932	2.0174
RXY		1.0000	-0.0218	0.1340	0.0349	0.3832	0.2762	0.1704	0.0463	0.0200	-0.0006
N	2	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.0617	0.0772	0.0892	0.0772	0.0760	0.0878	0.0772	0.0165	0.0766	0.0221
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.2476	2.2610	2.2607	2.2610	2.2758	2.2710	2.2610	2.2234	2.2595	2.2040
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0218	1.0000	0.0452	-0.0591	0.0224	0.0463	0.0695	0.0160	-0.1451	-0.0133
N	3	12934.	13157.	13157.	13157.	12912.	12925.	13157.	12634.	12985.	12928.
AVE X		0.4564	0.4508	0.4508	0.4508	0.4300	0.4583	0.4508	0.4622	0.4567	0.4633
AVE Y		1.4986	0.0892	0.4508	0.1161	6.3647	1.8912	0.5289	0.2249	-0.3077	0.5658
SIG X		1.3309	1.3254	1.3254	1.3254	1.2945	1.3324	1.3254	1.3361	1.3321	1.3300
SIG Y		1.9211	2.2607	1.3254	1.2917	4.2656	4.3482	2.6338	1.8190	1.2881	2.0091
RXY		0.1340	0.0452	1.0000	0.1389	0.2327	0.6496	0.2359	-0.2180	0.2285	0.2380
N	4	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.1159	0.1207	0.1161	0.1207	0.1185	0.1112	0.1207	0.1359	0.1285	0.1209
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.2931	1.2906	1.2917	1.2906	1.2982	1.2970	1.2906	1.2949	1.2882	1.2952
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0349	-0.0591	0.1389	1.0000	0.0682	0.0687	-0.0177	0.0528	0.1096	0.0126
N	5	12825.	13032.	12912.	13032.	13032.	12803.	13032.	12494.	12876.	12803.
AVE X		6.3354	6.3380	6.3647	6.3380	6.3380	6.2932	6.3380	6.2895	6.3703	6.3418
AVE Y		1.5025	0.0760	0.4300	0.1185	6.3380	1.8502	0.5343	0.2326	-0.3302	0.5620
SIG X		4.2619	4.2804	4.2656	4.2804	4.2804	4.2953	4.2804	4.2499	4.2345	4.2843
SIG Y		1.9335	2.2758	1.2945	1.2982	4.2804	4.3347	2.6438	1.8344	1.2339	2.0122
RXY		0.3832	0.0224	0.2327	0.0682	1.0000	0.3055	0.1925	0.2436	-0.0039	-0.0011
N	6	12831.	13054.	12925.	13054.	12803.	13054.	13054.	12501.	12882.	12822.
AVE X		1.5081	1.8591	1.8912	1.8591	1.8502	1.8591	1.8591	1.7453	1.8625	1.9046
AVE Y		1.5081	0.0878	0.4583	0.1112	6.2932	1.8591	0.5388	0.1980	-0.3018	0.5834
SIG X		4.2934	4.3503	4.3482	4.3503	4.3347	4.3503	4.3503	4.2943	4.3490	4.3349
SIG Y		1.9260	2.2710	1.3324	1.2970	4.2953	4.3503	2.6413	1.8223	1.2938	2.0170
RXY		0.2762	0.0463	0.6496	0.0687	0.3055	1.0000	0.3711	-0.2861	0.2290	0.3196
N	7	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.5164	0.5172	0.5289	0.5172	0.5343	0.5388	0.5172	0.4605	0.5223	0.5484
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.6298	2.6350	2.6338	2.6350	2.6438	2.6413	2.6350	2.6202	2.6255	2.6330
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1704	0.0695	0.2359	-0.0177	0.1925	0.3711	1.0000	-0.1153	-0.0089	0.3766

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	9	12538.	12733.	12634.	12733.	12494.	12501.	12733.	12733.	12578.	12507.
AVE X		0.2247	0.2193	0.2249	0.2193	0.2326	0.1980	0.2193	0.2193	0.2147	0.2227
AVE Y		1.4907	0.0165	0.4622	0.1359	6.2895	1.7453	0.4505	0.2193	-0.2946	0.5767
SIG X		1.8342	1.8241	1.8190	1.8241	1.8344	1.8223	1.8241	1.8241	1.8226	1.8212
SIG Y		1.9057	2.2234	1.336.	1.2949	4.2499	4.2963	2.6202	1.8241	1.3022	2.0189
RXY		0.0463	0.0163	-0.0180	0.0528	0.2436	-0.2861	-0.1153	1.0000	-0.0621	-0.1034
N	9	12907.	13115.	12985.	13115.	12876.	12882.	13115.	12578.	13115.	12882.
AVE X		-0.3045	-0.3055	-0.3077	-0.3055	-0.3302	-0.3018	-0.3055	-0.2946	-0.3055	-0.2929
AVE Y		1.5107	0.0766	0.4567	0.1285	6.3703	1.8625	0.5223	0.2147	-0.3055	0.5635
SIG X		1.2932	1.2864	1.2881	1.2864	1.2339	1.2938	1.2864	1.3022	1.2864	1.2929
SIG Y		1.9163	2.2595	1.3321	1.2882	4.2345	4.3490	2.6255	1.8206	1.2864	2.0089
RXY		0.0200	-0.1451	0.2285	0.1096	-0.0039	0.2290	-0.0089	-0.0621	1.0000	0.1655
N	10	12885.	13054.	12928.	13054.	12803.	12822.	13054.	12507.	12882.	13054.
AVE X		0.5731	0.5676	0.5658	0.5676	0.5620	0.5834	0.5676	0.5767	0.5635	0.5676
AVE Y		1.5012	0.0221	0.4633	0.1209	6.3418	1.9066	0.5484	0.2227	-0.2929	0.5676
SIG X		2.0174	2.0100	2.0091	2.0100	2.0122	2.0170	2.0100	2.0089	2.0089	2.0100
SIG Y		1.9258	2.2040	1.3306	1.2952	4.2843	4.3349	2.6330	1.8212	1.2929	2.0100
RXY		-0.0006	-0.0133	0.2380	0.0126	-0.0011	0.3196	0.3766	-0.1034	0.1655	1.0000
N	11	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.1176	0.1249	0.1216	0.1249	0.1201	0.1214	0.1249	0.1362	0.1266	0.1258
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.5007	1.5244	1.5286	1.5244	1.5215	1.5310	1.5244	1.5408	1.5329	1.5333
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0437	-0.0818	-0.0872	-0.0206	0.0301	-0.1614	-0.0529	0.1654	0.1784	0.0512
N	12	10224.	10418.	10289.	10418.	10240.	10186.	10418.	9905.	10318.	10191.
AVE X		0.1271	0.1234	0.1210	0.1234	0.1313	0.1155	0.1234	0.1129	0.1384	0.1411
AVE Y		1.5364	0.0648	0.3158	0.1053	6.8768	1.3237	0.5123	0.4866	-0.4090	0.5203
SIG X		1.2060	1.2031	1.2012	1.2031	1.1837	1.2092	1.2031	1.2114	1.1815	1.1960
SIG Y		1.9549	2.3206	1.2817	1.2845	4.2716	4.3479	2.6840	1.8338	1.1872	2.0625
RXY		0.0001	-0.0195	-0.0327	0.1151	0.2383	0.0157	0.0086	0.1429	-0.0036	-0.0921
N	13	6522.	6688.	6607.	6688.	6509.	6550.	6688.	6262.	6547.	6455.
AVE X		0.0988	0.1329	0.1362	0.1329	0.1266	0.1160	0.1329	0.1078	0.1343	0.1124
AVE Y		1.3651	0.2730	0.2251	-0.0593	6.5305	0.4711	0.0309	0.7890	-0.4515	0.2814
SIG X		0.9030	0.9594	0.9627	0.9594	0.9664	0.9570	0.9594	0.9469	0.9662	0.9353
SIG Y		2.0342	2.4580	1.2438	1.2534	4.5674	4.4033	2.7383	1.7993	1.1185	1.8431
RXY		0.0488	0.0400	0.0212	0.0753	0.0873	0.0667	-0.0380	0.0051	-0.0928	0.0916
N	14	12910.	13133.	13003.	13133.	12878.	12900.	13133.	12656.	12978.	12900.
AVE X		-0.0331	-0.0298	-0.0259	-0.0298	-0.0174	-0.0296	-0.0298	-0.0363	-0.0288	-0.0344
AVE Y		1.4818	0.0725	0.4528	0.1367	6.3451	1.8425	0.4885	0.2193	-0.2999	0.5481
SIG X		1.2253	1.2275	1.230	1.2275	1.2035	1.2322	1.2275	1.2233	1.2302	1.2293
SIG Y		1.9159	2.2639	1.3255	1.2880	4.2824	4.3586	2.6246	1.8281	1.2903	1.9799
RXY		0.0543	0.0761	0.0319	-0.0755	0.1623	0.1006	-0.0395	-0.0576	-0.0171	-0.0746

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 15	12954.	13177.	13075.	13177.	12923.	12945.	13177.	12651.	13005.	12945.
AVE X	-0.0345	-0.0371	-0.0332	-0.0371	-0.0491	-0.0288	-0.0371	-0.0686	-0.0294	-0.0315
AVE Y	1.4969	0.0767	0.4485	0.1114	6.3348	1.8430	0.5273	0.2236	-0.3035	0.5679
SIG X	0.9733	0.9778	0.9771	0.9778	0.9692	0.9816	0.9778	0.9646	0.9764	0.9757
SIG Y	1.9256	2.2607	1.3234	1.2875	4.2844	4.3552	2.6355	1.8272	1.2898	2.0016
RXY	0.0372	0.0781	0.4422	0.0220	-0.0110	0.6250	0.2099	-0.3156	0.2016	0.2765
N 16	12976.	13200.	13097.	13200.	12952.	13021.	13200.	12673.	13027.	12967.
AVE X	0.0196	0.0032	0.0082	0.0032	0.0062	0.0058	0.0032	-0.0043	0.0090	0.0129
AVE Y	1.5057	0.0839	0.4515	0.1160	6.3164	1.8578	0.5241	0.2071	-0.3090	0.5696
SIG X	0.9929	1.0030	1.0001	1.0030	1.0054	1.0044	1.0030	1.0137	0.9996	0.9984
SIG Y	1.9226	2.2644	1.3283	1.2915	4.2842	4.3542	2.6362	1.8173	1.2899	2.0159
RXY	0.1155	-0.0043	0.2397	0.1280	0.0858	0.3400	0.1610	-0.1942	0.0651	0.0871
N 17	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.2351	-0.2403	-0.2423	-0.2403	-0.2363	-0.2402	-0.2403	-0.2374	-0.2470	-0.2358
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.8559	0.8528	0.8445	0.8528	0.8543	0.8544	0.8528	0.8534	0.8396	0.8497
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1065	-0.0110	-0.0121	-0.0251	0.0373	0.0061	0.0085	0.0453	-0.0621	0.0191
N 18	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.4544	-0.4612	-0.4614	-0.4612	-0.4649	-0.4568	-0.4612	-0.4715	-0.4655	-0.4656
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.8741	0.8802	0.8802	0.8802	0.8785	0.8827	0.8802	0.8706	0.8828	0.8683
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	-0.1009	0.0992	-0.2003	-0.0325	-0.1977	-0.1683	0.0024	0.0334	-0.0485	0.0257
N 19	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	0.0860	0.0880	0.0856	0.0880	0.0782	0.0826	0.0880	0.0931	0.0836	0.0769
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.9100	0.9149	0.9178	0.9149	0.9019	0.9097	0.9149	0.9151	0.9164	0.9080
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	-0.0357	-0.1752	-0.0664	0.0359	-0.0340	-0.0958	-0.1680	0.0476	0.1784	-0.0640
N 20	12880.	13103.	12974.	13103.	12849.	12877.	13103.	12550.	12931.	12871.
AVE X	-0.0314	-0.0355	-0.0360	-0.0355	-0.0441	-0.0335	-0.0355	-0.0408	-0.0274	-0.0293
AVE Y	1.5221	0.0781	0.4585	0.1165	6.3346	1.8644	0.5393	0.2063	-0.3114	0.5750
SIG X	1.0065	1.0081	1.0077	1.0081	1.0115	1.0093	1.0081	1.0086	1.0079	1.0057
SIG Y	1.9023	2.2683	1.3268	1.2914	4.2713	4.3692	2.6394	1.8253	1.2807	2.0186
RXY	0.0866	0.0320	0.3800	-0.0404	-0.0204	0.3890	0.1367	-0.1815	0.0808	0.1332
N 21	13001.	13225.	13095.	13225.	12970.	12992.	13225.	12710.	13052.	12992.
AVE X	0.0555	0.0581	0.0590	0.0581	0.0344	0.0651	0.0581	0.0431	0.0633	0.0526
AVE Y	1.5087	0.0773	0.4534	0.1244	6.3370	1.8639	0.5301	0.2216	-0.3036	0.5719
SIG X	1.0866	1.0887	1.0897	1.0887	1.0577	1.0971	1.0887	1.0813	1.0949	1.0823
SIG Y	1.9131	2.2617	1.3279	1.2918	4.2809	4.3549	2.6321	1.8249	1.2883	2.0124
RXY	0.0037	0.0842	0.0758	-0.0082	0.1250	0.1175	0.0829	-0.0640	0.0542	0.0378

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	22	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.5128	0.5128	0.5197	0.5128	0.4948	0.5163	0.5128	0.4701	0.5141	0.5132
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.2117	1.2267	1.2290	1.2267	1.2166	1.2311	1.2267	1.1867	1.2330	1.2135
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.2176	0.1274	0.4898	0.0435	0.3211	0.6863	0.2758	-0.2068	0.1608	0.2162
N	23	13009.	13232.	13102.	13232.	12978.	13000.	13232.	12679.	13060.	13000.
AVE X		-0.1335	-0.1382	-0.1420	-0.1382	-0.1215	-0.1451	-0.1382	-0.1142	-0.1383	-0.1306
AVE Y		1.4994	0.0729	0.4476	0.1249	6.3383	1.8517	0.5084	0.2123	-0.3017	0.5666
SIG X		1.0676	1.0685	1.0701	1.0685	1.0611	1.0724	1.0685	1.0519	1.0704	1.0620
SIG Y		1.9215	2.2647	1.3274	1.2889	4.2892	4.3534	2.6352	1.8236	1.2877	2.0138
RXY		0.1689	-0.2513	0.0071	0.1072	0.0687	0.0685	-0.0481	-0.1511	-0.0057	-0.0853
N	24	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.3900	0.4071	0.4091	0.4071	0.3919	0.4052	0.4071	0.3831	0.4148	0.4150
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9904	1.0732	1.0735	1.0732	1.0541	1.0797	1.0732	1.0734	1.0726	1.0757
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0132	0.0651	0.1331	0.0269	0.0752	0.1763	0.1043	-0.0176	0.1489	0.1774
N	25	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0273	-0.0283	-0.0249	-0.0283	-0.0335	-0.0417	-0.0283	-0.0397	-0.0260	-0.0215
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9835	0.9791	0.9818	0.9791	0.9781	0.9723	0.9791	0.9705	0.9816	0.9840
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0033	-0.0245	0.0476	-0.0143	0.0749	0.4218	0.1809	-0.1647	0.2197	0.1278
N	25	12924.	13094.	13011.	13094.	12858.	12861.	13094.	12582.	12929.	12977.
AVE X		0.7361	0.7416	0.7445	0.7416	0.7498	0.7432	0.7415	0.7134	0.7404	0.7483
AVE Y		1.5023	0.0778	0.4628	0.1157	6.3607	1.8950	0.5352	0.2221	-0.3003	0.5714
SIG X		0.8673	0.8710	0.8697	0.8710	0.8673	0.8783	0.8710	0.8287	0.8638	0.8654
SIG Y		1.9222	2.2586	1.3255	1.2904	4.2761	4.3349	2.6352	1.8188	1.293.	2.0136
RXY		0.0748	0.0767	0.0460	-0.0620	0.2116	0.0699	0.1208	0.0694	-0.0644	0.0415
N	27	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0363	-0.0381	-0.0461	-0.0381	-0.0267	-0.0421	-0.0381	-0.0437	-0.0281	-0.0371
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9742	0.9732	0.9725	0.9732	0.9733	0.9718	0.9732	0.9720	0.9732	0.9756
SIG Y		1.9185	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0077	-0.0371	-0.0829	-0.1278	-0.0169	0.0135	-0.0207	-0.0060	-0.0700	-0.0266
N	28	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0879	-0.0916	-0.0928	-0.0916	-0.0932	-0.0931	-0.0916	-0.0969	-0.0942	-0.0921
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.5106	0.5147	0.5112	0.5147	0.5155	0.5165	0.5147	0.5123	0.5164	0.5104
SIG Y		1.9185	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0270	0.0280	-0.0005	0.0721	-0.0145	0.1069	0.0967	-0.0012	0.0297	0.0727

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	29	13038.	13249.	13122.	13249.	12997.	13016.	13249.	12701.	13076.	13019.
AVE X		-0.4331	-0.4312	-0.4325	-0.4312	-0.4339	-0.4298	-0.4312	-0.4279	-0.4347	-0.4377
AVE Y		1.5015	0.0765	0.4486	0.1227	6.3362	1.8516	0.5049	0.2190	-0.3052	0.5679
SIG X		0.4228	0.4276	0.4239	0.4276	0.4203	0.4313	0.4276	0.4364	0.4180	0.4095
SIG Y		1.9107	2.2634	1.3234	1.2914	4.2765	4.3462	2.6279	1.8260	1.2879	2.0108
RXY		-0.0582	0.1082	-0.1022	-0.0041	-0.0799	0.0207	-0.0251	0.0453	-0.0141	-0.0132
N	30	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0185	-0.0214	-0.0100	-0.0214	-0.0028	-0.0225	-0.0214	-0.0275	-0.0256	-0.0225
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9541	0.9568	0.9530	0.9568	0.9456	0.9561	0.9568	0.9487	0.9566	0.9586
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1538	0.0849	0.1446	0.1075	0.1486	0.2421	0.1271	-0.0460	-0.0303	0.0509
N	31	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.3420	-0.3318	-0.3365	-0.3318	-0.3290	-0.3275	-0.3318	-0.3265	-0.3299	-0.3426
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.6277	0.6410	0.6328	0.6410	0.6444	0.6458	0.6410	0.6447	0.6439	0.6279
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.1159	-0.1278	-0.4801	0.0438	-0.1659	-0.4539	-0.2109	0.2099	-0.0512	-0.0819
N	32	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0881	-0.0751	-0.0849	-0.0751	-0.0812	-0.0723	-0.0751	-0.0693	-0.0719	-0.0996
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.6531	1.6469	1.6451	1.6469	1.6453	1.6331	1.6469	1.6319	1.6467	1.6353
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0668	0.1278	-0.2027	-0.0975	-0.0980	-0.3773	-0.1929	0.1649	-0.1759	-0.1975
N	33	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.5682	-0.5828	-0.5624	-0.5828	-0.5704	-0.5902	-0.5828	-0.5304	-0.5799	-0.5879
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.1255	2.1202	2.1153	2.1202	2.1262	2.1298	2.1202	2.1094	2.1165	2.1288
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1105	-0.0961	0.0193	0.0577	-0.0507	-0.0775	-0.0666	-0.0218	-0.0954	-0.0465
N	34	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.0132	0.0189	0.0195	0.0189	0.0166	0.0053	0.0189	0.0138	0.0244	0.0104
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.5631	1.5717	1.5743	1.5717	1.5842	1.5630	1.5717	1.5744	1.5748	1.5714
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0311	-0.1509	0.0776	0.0584	-0.0175	0.0843	0.0558	-0.0904	0.2023	0.0148
N	35	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.2708	-0.2837	-0.2809	-0.2837	-0.2747	-0.2856	-0.2837	-0.2796	-0.2828	-0.2644
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.2183	1.2179	1.2198	1.2179	1.2184	1.1913	1.2179	1.2250	1.2230	1.2162
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0984	-0.1291	0.3116	0.1356	0.0938	0.3763	0.1285	-0.1195	0.1400	0.1694

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	1:
N	36	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.3085	-0.3109	-0.3127	-0.3109	-0.2997	-0.3226	-0.3109	-0.2940	-0.3085	-0.3011
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.0893	1.0906	1.0929	1.0906	1.0775	1.0784	1.0906	1.0965	1.0936	1.0949
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0224	0.0354	0.4214	0.0564	0.0213	0.3909	0.1499	-0.1523	0.0715	0.1257
N	37	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.1629	-0.1657	-0.1607	-0.1657	-0.1665	-0.1825	-0.1657	-0.1497	-0.1616	-0.1592
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9549	0.9491	0.9451	0.9491	0.9501	0.9391	0.9491	0.9328	0.9504	0.9525
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0398	-0.1143	0.2177	0.1715	0.0436	0.2417	0.0820	-0.0980	0.1716	0.0947
N	38	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.0083	0.0100	0.0129	0.0100	0.0138	0.0012	0.0100	0.0147	0.0068	0.0022
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.7741	0.7695	0.7678	0.7695	0.7724	0.7677	0.7695	0.7706	0.7713	0.7688
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0250	0.0816	-0.0287	-0.1208	0.0846	-0.1099	-0.0514	0.1224	-0.0542	-0.0920
N	39	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.2541	-0.2622	-0.2669	-0.2622	-0.2578	-0.2546	-0.2622	-0.2606	-0.2640	-0.2559
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.7486	0.7505	0.7484	0.7505	0.7541	0.7451	0.7505	0.7361	0.7487	0.7543
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1451	-0.0838	0.2118	0.0771	0.0350	0.1757	0.0305	-0.1432	0.0490	0.1251
N	40	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.4317	-0.4295	-0.4347	-0.4295	-0.4321	-0.4116	-0.4295	-0.4269	-0.4248	-0.4386
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.7687	0.7656	0.7655	0.7656	0.7705	0.7501	0.7656	0.7646	0.7612	0.7676
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0796	0.1044	-0.2817	-0.1199	-0.1406	-0.4404	-0.1785	0.1816	-0.0971	-0.1959
N	41	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.1060	-0.1116	-0.1135	-0.1116	-0.1042	-0.1173	-0.1116	-0.0815	-0.1107	-0.1009
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.0106	1.0130	1.0146	1.0130	1.0102	1.0159	1.0130	0.9886	1.0123	1.0026
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1134	-0.2974	0.1149	0.1530	0.0907	0.1445	-0.0244	-0.1317	0.1241	-0.0058
N	42	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.1128	-0.1161	-0.1178	-0.1161	-0.1126	-0.1172	-0.1161	-0.0853	-0.1142	-0.1053
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.0387	1.0403	1.0416	1.0403	1.0393	1.0435	1.0403	1.0183	1.0405	1.0292
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1284	-0.2973	0.1207	0.1384	0.1003	0.1462	-0.0159	-0.1332	0.1348	0.0154

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 43	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.2829	-0.2835	-0.2816	-0.2835	-0.2794	-0.2896	-0.2835	-0.2734	-0.2803	-0.2778
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7529	0.7546	0.7568	0.7546	0.7504	0.7562	0.7546	0.7632	0.7556	0.7568
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0772	-0.0216	0.5775	0.1158	0.1248	0.5978	0.2146	-0.1765	0.1708	0.1683
N 44	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.0578	-0.0666	-0.0698	-0.0666	-0.0610	-0.0743	-0.0666	-0.0437	-0.0662	-0.0592
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.9229	0.9250	0.9262	0.9250	0.9220	0.9269	0.9250	0.9120	0.9251	0.9201
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1337	-0.2367	0.0295	0.1102	0.0669	0.0463	-0.0789	-0.1085	0.0236	-0.0368
N 45	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	0.1009	0.0938	0.0945	0.0938	0.0973	0.1064	0.0938	0.0946	0.0979	0.0988
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.6487	0.6486	0.6480	0.6486	0.6500	0.6469	0.6486	0.6514	0.6489	0.6508
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1190	0.0079	0.1952	0.0739	0.1069	0.2713	0.1315	-0.1493	-0.0214	0.0766
N 46	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1809	-0.1864	-0.1796	-0.1864	-0.1815	-0.1923	-0.1864	-0.1781	-0.1795	-0.1820
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.6760	0.6758	0.6739	0.6758	0.6785	0.6698	0.6758	0.6736	0.6741	0.6771
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0038	-0.0813	0.0853	0.0070	-0.0418	0.1042	0.0160	-0.0766	0.1079	0.0706
N 47	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1141	-0.1192	-0.1185	-0.1192	-0.1117	-0.1274	-0.1192	-0.1113	-0.1200	-0.1052
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7993	0.7988	0.8012	0.7988	0.7997	0.8004	0.7988	0.8011	0.8005	0.7928
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1005	-0.1398	0.1923	0.0645	0.0843	0.2552	0.0618	-0.0868	0.1238	-0.0112
N 48	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.3322	-0.3289	-0.3321	-0.3289	-0.3275	-0.3309	-0.3289	-0.3178	-0.3268	-0.3293
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7928	0.7959	0.7977	0.7959	0.7964	0.8016	0.7959	0.7627	0.7978	0.7923
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1200	0.0599	-0.0810	0.0328	-0.0044	-0.0546	-0.1048	-0.0626	-0.0406	-0.1114
N 49	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.6079	-0.6228	-0.6178	-0.6228	-0.6151	-0.6260	-0.6228	-0.6081	-0.6141	-0.6097
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	1.3819	1.3832	1.3855	1.3832	1.3873	1.3901	1.3832	1.3655	1.3864	1.3841
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.2327	-0.1070	0.3672	0.1281	0.0992	0.4513	0.1117	-0.2374	0.0723	0.0386

T REGRESSION

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	50	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-1.5266	-1.5377	-1.5425	-1.5377	-1.5207	-1.5460	-1.5377	-1.4662	-1.5354	-1.5210
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.6772	2.6896	2.6987	2.6896	2.6448	2.7107	2.6896	2.4961	2.6967	2.6621
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0384	-0.0214	-0.0298	0.0255	0.0111	-0.0133	-0.1098	-0.0644	-0.0143	-0.0941
N	51	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-1.1496	-1.1534	-1.1578	-1.1534	-1.1409	-1.1602	-1.1534	-1.0977	-1.1486	-1.1400
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.1186	2.1329	2.1374	2.1329	2.1020	2.1490	2.1329	2.0163	2.1385	2.1080
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0628	-0.0606	0.0133	0.0383	0.0124	0.0427	-0.1106	-0.1014	0.0042	-0.1089
N	52	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.3677	-0.3723	-0.3740	-0.3723	-0.3718	-0.3750	-0.3723	-0.3468	-0.3701	-0.3645
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9554	0.9563	0.9585	0.9563	0.9555	0.9619	0.9563	0.9030	0.9582	0.9540
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1603	-0.1440	0.0244	0.1150	0.0795	0.0562	-0.0464	-0.0887	-0.0390	-0.0960
N	53	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.5757	-0.5785	-0.5727	-0.5785	-0.5712	-0.5758	-0.5785	-0.5753	-0.5714	-0.5691
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.1288	1.1276	1.1284	1.1276	1.1326	1.1346	1.1276	1.1037	1.1272	1.1269
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1199	0.0206	0.1786	0.0354	-0.0294	0.2498	0.0392	-0.1465	0.0639	-0.0049
N	54	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.5000	-0.4998	-0.4994	-0.4998	-0.4952	-0.5032	-0.4998	-0.4754	-0.4944	-0.4976
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.1483	1.1477	1.1509	1.1477	1.1482	1.1542	1.1477	1.0373	1.1501	1.1485
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1025	0.0282	0.0150	0.0238	0.0609	0.0425	-0.0799	-0.0509	-0.0352	-0.0910
N	55	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.4643	-0.4708	-0.4608	-0.4708	-0.4587	-0.4819	-0.4708	-0.4275	-0.4594	-0.4473
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.3208	2.3193	2.3226	2.3193	2.3136	2.3268	2.3193	2.2976	2.3177	2.3028
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1671	-0.2160	0.2112	0.1240	0.1089	0.3058	0.0239	-0.1605	0.0884	-0.0465
N	56	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.2932	-0.2956	-0.2973	-0.2956	-0.2956	-0.2996	-0.2956	-0.2876	-0.2953	-0.2938
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9930	0.9886	0.9931	0.9886	0.9968	0.9966	0.9886	0.8611	0.9935	0.9939
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0836	-0.0030	0.1324	0.0141	0.1078	0.1053	0.0294	0.0005	0.0162	0.0575

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 57	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1254	-0.1317	-0.1337	-0.1317	-0.1275	-0.1374	-0.1317	-0.1073	-0.1300	-0.1254
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.8732	0.8768	0.8786	0.8768	0.8728	0.8799	0.8768	0.8604	0.8762	0.8694
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1529	-0.2575	0.0586	0.1394	0.0737	0.0851	-0.0565	-0.1363	0.0343	-0.0826
N 58	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1245	-0.1204	-0.1189	-0.1204	-0.1204	-0.1224	-0.1204	-0.1145	-0.1185	-0.1221
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.4065	0.4108	0.4116	0.4108	0.4127	0.4126	0.4108	0.3927	0.4121	0.4049
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0808	0.0548	-0.1038	0.0461	0.0199	-0.0619	-0.0744	-0.0271	-0.0603	-0.1007
N 59	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.3365	-0.3406	-0.3364	-0.3406	-0.3347	-0.3454	-0.3406	-0.3289	-0.3359	-0.3322
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7129	0.7118	0.7129	0.7118	0.7154	0.7133	0.7118	0.6937	0.7142	0.7146
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1126	-0.0689	0.4416	0.0872	0.0558	0.5870	0.1729	-0.1742	0.0958	0.1775

GROUP WITHIN SET

X VS. Y		11	12	13	14	15	16	17	18	19	20
N	1	13064.	10224.	6522.	12910.	12954.	12976.	13064.	13064.	13064.	12880.
AVE X		1.4979	1.5364	1.3651	1.4818	1.4969	1.5057	1.4979	1.4979	1.4979	1.5221
AVE Y		0.1176	0.1271	0.0988	-0.0331	-0.0345	0.0196	-0.2351	-0.4544	0.0860	-0.0314
SIG X		1.9186	1.9549	2.0342	1.9153	1.9256	1.9226	1.9186	1.9186	1.9186	1.9023
SIG Y		1.5007	1.2060	0.9030	1.2253	0.9733	0.9929	0.8559	0.8741	0.9100	1.0065
RXY		0.0437	0.0001	0.0488	0.0543	0.0372	0.1155	0.1065	-0.1009	-0.0357	0.0866
N	2	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X		0.0772	0.0648	0.2730	0.0725	0.0767	0.0839	0.0772	0.0772	0.0772	0.0781
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X		2.2610	2.3206	2.4580	2.2639	2.2607	2.2644	2.2610	2.2610	2.2610	2.2683
SIG Y		1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY		-0.0818	-0.0195	0.0403	0.0761	0.0781	-0.0043	-0.0110	0.0992	-0.1752	0.0320
N	3	13157.	10289.	6607.	13003.	13075.	13097.	13157.	13157.	13157.	12974.
AVE X		0.4508	0.3158	0.2251	0.4528	0.4485	0.4515	0.4508	0.4508	0.4508	0.4585
AVE Y		0.1216	0.1210	0.1362	-0.0259	-0.0332	0.0082	-0.2423	-0.4614	0.0856	-0.0360
SIG X		1.3254	1.2817	1.2438	1.3253	1.3231	1.3283	1.3254	1.3254	1.3254	1.3268
SIG Y		1.5286	1.2012	0.9627	1.2300	0.9771	1.0001	0.8445	0.8805	0.9178	1.0077
RXY		-0.0872	-0.0327	0.0212	0.0319	0.4422	0.2397	-0.0121	-0.2003	-0.0664	0.3800
N	4	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X		0.1207	0.1053	-0.0593	0.1367	0.1114	0.1160	0.1207	0.1207	0.1207	0.1165
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X		1.2906	1.2845	1.2534	1.2880	1.2875	1.2915	1.2906	1.2906	1.2906	1.2914
SIG Y		1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY		-0.0206	0.1151	0.0753	-0.0755	0.0220	0.1280	-0.0251	-0.0325	0.0359	-0.0404
N	5	13032.	10240.	6509.	12878.	12923.	12952.	13032.	13032.	13032.	12849.
AVE X		6.3380	6.8768	6.5305	6.3451	6.3348	6.3164	6.3380	6.3380	6.3380	6.3346
AVE Y		0.1201	0.1313	0.1266	-0.0174	-0.0491	0.0062	-0.2363	-0.4649	0.0782	-0.0441
SIG X		4.2804	4.2716	4.5674	4.2824	4.2844	4.2842	4.2804	4.2804	4.2804	4.2713
SIG Y		1.5215	1.1837	0.9664	1.2035	0.9692	1.0054	0.8543	0.8785	0.9019	1.0115
RXY		0.0301	0.2383	0.0873	0.1623	-0.0110	0.0858	0.0373	-0.1977	-0.0340	-0.0204
N	6	13054.	10186.	6550.	12900.	12945.	13021.	13054.	13054.	13054.	12877.
AVE X		1.8591	1.3237	0.4711	1.8425	1.8430	1.8578	1.8591	1.8591	1.8591	1.8644
AVE Y		0.1214	0.1155	0.1160	-0.0296	-0.0288	0.0058	-0.2402	-0.4568	0.0826	-0.0335
SIG X		4.3503	4.3470	4.4033	4.3586	4.3552	4.3542	4.3503	4.3503	4.3503	4.3692
SIG Y		1.5310	1.2092	0.9570	1.2322	0.9816	1.0044	0.8544	0.8827	0.9097	1.0093
RXY		-0.1614	0.0157	0.0667	0.1006	0.6250	0.3400	0.0061	-0.1683	-0.0958	0.3890
N	7	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X		0.5172	0.5123	0.0309	0.4885	0.5273	0.5241	0.5172	0.5172	0.5172	0.5393
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X		2.6350	2.6840	2.7383	2.6246	2.6355	2.6362	2.6350	2.6350	2.6350	2.6394
SIG Y		1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY		-0.0520	0.0086	-0.0380	-0.0395	0.2099	0.1610	0.0085	0.0024	-0.1680	0.1367

GROUP WITHIN SET

X VS. Y		11	12	13	14	15	16	17	18	19	20
N	8	12733.	9905.	6262.	12656.	12651.	12673.	12733.	12733.	12733.	12550.
AVE X		0.2193	0.4866	0.7890	0.2193	0.2236	0.2071	0.2193	0.2193	0.2193	0.2063
AVE Y		0.1362	0.1129	0.1076	-0.0363	-0.0686	-0.0043	-0.2374	-0.4715	0.0931	-0.0408
SIG X		1.8241	1.8338	1.7993	1.8281	1.8272	1.8173	1.8241	1.8241	1.8241	1.8253
SIG Y		1.5408	1.2114	0.9469	1.2233	0.9646	1.0137	0.8534	0.8706	0.9151	1.0086
RXY		0.1654	0.1429	0.0051	-0.0575	-0.3156	-0.1942	0.0453	0.0334	0.0476	-0.1815
N	9	13115.	10318.	6547.	12978.	13005.	13027.	13115.	13115.	13115.	12931.
AVE X		-0.3055	-0.4090	-0.4515	-0.2999	-0.3035	-0.3090	-0.3055	-0.3055	-0.3055	-0.3114
AVE Y		0.1266	0.1384	0.1340	-0.0288	-0.0294	0.0090	-0.2470	-0.4655	0.0836	-0.0274
SIG X		1.2864	1.1872	1.1185	1.2903	1.2898	1.2899	1.2864	1.2864	1.2864	1.2807
SIG Y		1.5329	1.1815	0.9662	1.2302	0.9764	0.9996	0.8396	0.8828	0.9164	1.0079
RXY		0.1784	-0.0036	-0.0928	-0.0171	0.2016	0.0651	-0.0621	-0.0485	0.1784	0.0808
N	10	13054.	10191.	6455.	12900.	12945.	12967.	13054.	13054.	13054.	12871.
AVE X		0.5676	0.5203	0.2814	0.5481	0.5679	0.5696	0.5676	0.5676	0.5676	0.5750
AVE Y		0.1258	0.1411	0.1124	-0.0344	-0.0315	0.0129	-0.2358	-0.4656	0.0769	-0.0293
SIG X		2.0100	2.0625	1.8431	1.9799	2.0016	2.0150	2.0100	2.0100	2.0100	2.0186
SIG Y		1.5333	1.1960	0.9353	1.2293	0.9757	0.9984	0.8497	0.8683	0.9083	1.0057
RXY		0.0512	-0.0921	0.0916	-0.0746	0.2765	0.0871	0.0191	0.0257	-0.0640	0.1332
N	11	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X		0.1249	0.1755	0.4511	0.1305	0.1271	0.1278	0.1249	0.1249	0.1249	0.1044
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X		1.5244	1.5482	1.8460	1.5320	1.5302	1.5290	1.5244	1.5244	1.5244	1.4646
SIG Y		1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY		1.0000	-0.0484	-0.0892	-0.0785	-0.1586	-0.2938	-0.0414	-0.0643	0.0500	0.0319
N	12	10418.	10418.	5662.	10280.	10374.	10338.	10418.	10418.	10418.	10235.
AVE X		0.1234	0.1234	0.0142	0.1218	0.1193	0.1160	0.1234	0.1234	0.1234	0.1207
AVE Y		0.1755	0.1234	0.1337	-0.0656	-0.1812	-0.0680	-0.2383	-0.4249	0.0785	-0.1513
SIG X		1.2031	1.2031	1.2281	1.2069	1.2041	1.2049	1.2031	1.2031	1.2031	1.2081
SIG Y		1.5482	1.2031	0.9901	1.3004	0.8907	1.0209	0.8729	0.8953	0.9270	1.0262
RXY		-0.0484	1.0000	0.0702	0.1241	0.0757	0.1606	-0.0681	-0.1209	-0.0336	-0.0516
N	13	6688.	5662.	6688.	6616.	6670.	6688.	6688.	6688.	6688.	6630.
AVE X		0.1329	0.1337	0.1329	0.1237	0.1350	0.1329	0.1329	0.1329	0.1329	0.1417
AVE Y		0.4511	0.0142	0.1329	-0.0611	-0.2693	-0.2146	-0.1218	-0.4622	0.1492	-0.1105
SIG X		0.9594	0.9901	0.9594	0.9576	0.9597	0.9594	0.9594	0.9594	0.9594	0.9556
SIG Y		1.8460	1.2281	0.9594	1.2318	0.9176	1.0943	0.9344	0.9872	1.0032	1.0271
RXY		-0.0892	0.0702	1.0000	0.0030	0.0470	0.0638	0.0346	-0.1648	0.1302	-0.0116
N	14	13133.	10280.	6616.	13133.	13035.	13046.	13133.	13133.	13133.	12949.
AVE X		-0.0298	-0.0656	-0.0611	-0.0298	-0.0287	-0.0288	-0.0298	-0.0298	-0.0298	-0.0411
AVE Y		0.1305	0.1218	0.1237	-0.0298	-0.0394	-0.0003	-0.2346	-0.4640	0.0833	-0.0361
SIG X		1.2275	1.3004	1.2318	1.2275	1.2321	1.2316	1.2275	1.2275	1.2275	1.2266
SIG Y		1.5320	1.2069	0.9576	1.2275	0.9795	1.0060	0.8556	0.8834	0.9149	1.0079
RXY		-0.0785	0.1241	0.0030	1.0000	0.0327	0.0167	0.0296	-0.1632	0.0592	0.0815

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 15	13177.	10374.	6670.	13035.	13177.	13117.	13177.	13177.	13177.	12994.
AVE X	-0.0371	-0.1812	-0.2693	-0.0394	-0.0371	-0.0380	-0.0371	-0.0371	-0.0371	-0.0372
AVE Y	0.1271	0.1193	0.1350	-0.0287	-0.0371	0.0064	-0.2433	-0.4679	0.0952	-0.0426
SIG X	0.9778	0.8907	0.9176	0.9795	0.9778	0.9789	0.9778	0.9778	0.9778	0.9775
SIG Y	1.5302	1.2041	0.9597	1.2321	0.9778	1.0036	0.8467	0.8780	0.9161	1.0093
RXY	-0.1586	0.0757	0.0470	0.0327	1.0000	0.3638	-0.0031	-0.0124	-0.1622	0.2763
N 16	13200.	10338.	6688.	13046.	13117.	13200.	13200.	13200.	13200.	13016.
AVE X	0.0032	-0.0680	-0.2146	-0.0003	0.0064	0.0032	0.0032	0.0032	0.0032	0.0116
AVE Y	0.1278	0.1160	0.1329	-0.0288	-0.0380	0.0032	-0.2469	-0.4599	0.0888	-0.0322
SIG X	1.0030	1.0209	1.0943	1.0060	1.0036	1.0030	1.0030	1.0030	1.0030	0.9978
SIG Y	1.5290	1.2049	0.9594	1.2316	0.9789	1.0030	0.8467	0.8824	0.9155	1.0070
RXY	-0.2938	0.1606	0.0638	0.0167	0.3638	1.0000	0.1076	0.0645	-0.0651	0.0660
N 17	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.2403	-0.2383	-0.1218	-0.2346	-0.2433	-0.2469	-0.2403	-0.2403	-0.2403	-0.2347
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.8528	0.8729	0.9344	0.8556	0.8467	0.8467	0.8528	0.8528	0.8528	0.8554
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0414	-0.0681	0.0346	0.0296	-0.0031	0.1076	1.0000	0.0063	-0.0041	0.0478
N 18	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.4612	-0.4249	-0.4622	-0.4640	-0.4679	-0.4599	-0.4612	-0.4612	-0.4612	-0.4740
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.8802	0.8953	0.9872	0.8834	0.8780	0.8824	0.8802	0.8802	0.8802	0.8770
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0643	-0.1209	-0.1648	-0.1632	-0.0124	0.0645	0.0063	1.0000	-0.1067	-0.1728
N 19	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	0.0880	0.0785	0.1492	0.0833	0.0902	0.0888	0.0880	0.0880	0.0880	0.0972
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9149	0.9270	1.0032	0.9149	0.9161	0.9155	0.9149	0.9149	0.9149	0.9178
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0500	-0.0336	0.1302	0.0592	-0.1622	-0.0651	-0.0041	-0.1067	1.0000	-0.0638
N 20	13103.	10235.	6630.	12949.	12994.	13016.	13103.	13103.	13103.	13103.
AVE X	-0.0355	-0.1513	-0.1105	-0.0361	-0.0426	-0.0322	-0.0355	-0.0355	-0.0355	-0.0355
AVE Y	0.1044	0.1207	0.1417	-0.0411	-0.0372	0.0116	-0.2347	-0.4740	0.0972	-0.0355
SIG X	1.0081	1.0262	1.0271	1.0079	1.0093	1.0070	1.0081	1.0081	1.0081	1.0081
SIG Y	1.4646	1.2081	0.9556	1.2266	0.9775	0.9978	0.8554	0.8770	0.9178	1.0081
RXY	0.0319	-0.0516	-0.0116	0.0815	0.2763	0.0660	0.0478	-0.1728	-0.0638	1.0000
N 21	13225.	10362.	6648.	13071.	13115.	13137.	13225.	13225.	13225.	13041.
AVE X	0.0581	0.1080	0.1019	0.0585	0.0614	0.0589	0.0581	0.0581	0.0581	0.0503
AVE Y	0.1283	0.1211	0.1336	-0.0380	-0.0371	0.0012	-0.2369	-0.4590	0.0911	-0.0395
SIG X	1.0887	1.1483	1.1303	1.0896	1.0926	1.0896	1.0887	1.0887	1.0887	1.0785
SIG Y	1.5271	1.2046	0.9622	1.2238	0.9789	1.0048	0.8533	0.8797	0.9159	1.0088
RXY	0.0178	0.0183	-0.0150	-0.0198	0.1938	0.0502	0.0396	0.0568	-0.0372	-0.0292

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 22	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	0.5128	0.4483	0.4143	0.5062	0.5028	0.5105	0.5128	0.5128	0.5128	0.5079
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.2267	1.2495	1.3934	1.2148	1.2128	1.2303	1.2267	1.2267	1.2267	1.2275
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1025	0.0207	-0.0464	-0.0075	0.5532	0.2617	-0.0316	0.1794	-0.1267	0.2197
N 23	13232.	10364.	6677.	13078.	13122.	13145.	13232.	13232.	13232.	13049.
AVE X	-0.1382	-0.1935	-0.2827	-0.1358	-0.1434	-0.1405	-0.1382	-0.1382	-0.1382	-0.1290
AVE Y	0.1266	0.1184	0.1342	-0.0330	-0.0435	0.0011	-0.2436	-0.4626	0.0912	-0.0373
SIG X	1.0685	1.0993	1.1518	1.0675	1.0714	1.0710	1.0685	1.0685	1.0685	1.0630
SIG Y	1.5273	1.2043	0.9596	1.2288	0.9748	1.0046	0.8511	0.8817	0.9155	1.0083
RXY	-0.2181	0.1403	0.1028	0.1296	-0.0646	0.3582	0.0225	-0.1936	0.1533	-0.0178
N 24	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	0.4071	0.3908	0.3823	0.4040	0.4083	0.4010	0.4071	0.4071	0.4071	0.4052
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.0732	1.0678	0.9364	1.0758	1.0724	1.0734	1.0732	1.0732	1.0732	1.0752
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0303	0.0311	-0.0374	-0.0234	0.2376	-0.1064	-0.0936	-0.0077	-0.0701	0.0338
N 25	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.0283	-0.1341	-0.1020	-0.0355	-0.0280	-0.0344	-0.0283	-0.0283	-0.0283	-0.0299
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9791	0.9286	0.9643	0.9757	0.9812	0.9757	0.9791	0.9791	0.9791	0.9786
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0468	0.0111	0.0679	0.0329	0.2975	0.0635	-0.0520	-0.1658	-0.0279	0.2067
N 26	13094.	10225.	6539.	12946.	13011.	13033.	13094.	13094.	13094.	12910.
AVE X	0.7416	0.8133	0.7632	0.7398	0.7424	0.7429	0.7416	0.7416	0.7416	0.7427
AVE Y	0.1315	0.1241	0.1111	-0.0316	-0.0349	0.0167	-0.2423	-0.4653	0.0799	-0.0300
SIG X	0.8710	0.8758	0.9440	0.8739	0.8738	0.8724	0.8710	0.8710	0.8710	0.8767
SIG Y	1.5345	1.2007	0.9348	1.2251	0.9759	0.9953	0.8418	0.8691	0.9085	1.0061
RXY	-0.0528	0.1416	0.0465	0.0562	0.0281	0.1006	0.0731	0.0072	-0.0914	0.0390
N 27	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.0381	-0.0475	0.0254	-0.0379	-0.0396	-0.0381	-0.0381	-0.0381	-0.0381	-0.0382
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9732	0.9686	0.9849	0.9754	0.9743	0.9720	0.9732	0.9732	0.9732	0.9758
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0027	0.0453	0.1376	0.0330	0.0419	0.0013	-0.0562	-0.1504	-0.0020	0.0259
N 28	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.0916	-0.0842	-0.1174	-0.0929	-0.0953	-0.0933	-0.0916	-0.0916	-0.0916	-0.0953
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.5147	0.5250	0.5717	0.5159	0.5140	0.5143	0.5147	0.5147	0.5147	0.5167
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0976	-0.0119	-0.1583	-0.1003	0.1216	0.1009	-0.0573	0.5921	-0.0993	-0.0430

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 29	13249.	10393.	6656.	13095.	13139.	13161.	13249.	13249.	13249.	13065.
AVE X	-0.4312	-0.4399	-0.4173	-0.4303	-0.4306	-0.4307	-0.4312	-0.4312	-0.4312	-0.4301
AVE Y	0.1262	0.1221	0.1329	-0.0294	-0.0391	0.0027	-0.2405	-0.4633	0.0888	-0.0374
SIG X	0.4276	0.4031	0.4637	0.4300	0.4293	0.4290	0.4276	0.4276	0.4276	0.4305
SIG Y	1.5264	1.2038	0.9590	1.2293	0.9767	1.0038	0.8531	0.8804	0.9155	1.0084
RXY	-0.0266	0.0676	0.0965	0.0304	0.0142	-0.0596	0.0755	0.0237	-0.0352	-0.0092
N 30	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.0214	-0.0486	-0.1238	-0.0226	-0.0259	-0.0236	-0.0214	-0.0214	-0.0214	-0.0215
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9568	0.9530	0.9436	0.9605	0.9560	0.9565	0.9568	0.9568	0.9568	0.9601
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1942	0.1484	-0.0224	0.0731	0.1661	0.2920	0.1176	-0.0211	-0.1459	0.0618
N 31	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.3318	-0.2906	-0.2270	-0.3287	-0.3296	-0.3300	-0.3318	-0.3318	-0.3318	-0.3281
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.6410	0.6859	0.7344	0.6442	0.6433	0.6428	0.6410	0.6410	0.6410	0.6447
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.1304	0.0169	-0.0286	-0.0732	-0.2704	-0.1828	0.0176	-0.0880	0.0549	-0.2154
N 32	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.0751	-0.0074	0.2458	-0.0867	-0.0784	-0.0602	-0.0751	-0.0751	-0.0751	-0.0745
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.6469	1.7156	1.6884	1.6412	1.6487	1.6383	1.6469	1.6469	1.6469	1.6525
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0125	-0.0785	-0.0077	-0.0607	-0.3057	-0.1790	-0.1015	0.0448	-0.0892	-0.0787
N 33	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.5828	-0.7165	-0.5519	-0.5759	-0.5724	-0.5800	-0.5828	-0.5828	-0.5828	-0.5589
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	2.1202	2.0319	1.8724	2.1119	2.1225	2.1136	2.1202	2.1202	2.1202	2.1110
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.2099	0.0454	0.0383	0.0993	-0.0636	0.2798	0.2421	-0.0393	0.0054	-0.0021
N 34	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	0.0189	-0.0164	-0.1522	0.0197	0.0194	0.0003	0.0189	0.0189	0.0189	0.0111
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.5717	1.5914	1.5133	1.5734	1.5739	1.5569	1.5717	1.5717	1.5717	1.5600
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0819	0.0323	0.0936	0.0739	0.0168	-0.0085	-0.0383	-0.1363	0.1872	0.0435
N 35	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.2837	-0.3785	-0.6067	-0.2855	-0.2858	-0.3006	-0.2837	-0.2837	-0.2837	-0.2918
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.2179	1.2419	1.1622	1.2182	1.2185	1.1945	1.2179	1.2179	1.2179	1.2105
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1042	0.0340	0.0173	0.1453	0.2780	0.3313	0.0302	-0.1236	-0.0706	0.0883

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 36	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.3109	-0.4275	-0.5186	-0.3126	-0.3158	-0.3091	-0.3109	-0.3109	-0.3109	-0.3112
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.0906	1.0682	1.0076	1.0873	1.0813	1.0925	1.0906	1.0906	1.0906	1.0916
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1125	-0.0460	0.0625	-0.0057	0.2574	0.1691	-0.0469	-0.0866	-0.1689	0.3978
N 37	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.1657	-0.2465	-0.2366	-0.1568	-0.1647	-0.1710	-0.1657	-0.1657	-0.1657	-0.1594
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9491	0.9694	0.9573	0.9496	0.9506	0.9499	0.9491	0.9491	0.9491	0.9493
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0310	0.0557	0.0328	0.0461	0.2317	0.2363	0.0250	-0.0412	0.0963	0.1030
N 38	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	0.0100	0.0458	0.0701	0.0124	0.0148	0.0068	0.0100	0.0100	0.0100	0.0057
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.7695	0.7785	0.7604	0.7692	0.7704	0.7682	0.7695	0.7695	0.7695	0.7640
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0315	-0.0330	-0.0924	-0.0493	-0.1299	-0.1377	0.0551	0.0797	-0.0095	-0.1068
N 39	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.2622	-0.3216	-0.3974	-0.2744	-0.2680	-0.2689	-0.2622	-0.2622	-0.2622	-0.2624
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.7505	0.7885	0.7170	0.7412	0.7468	0.7456	0.7505	0.7505	0.7505	0.7504
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1183	0.0466	-0.0112	0.1757	0.1565	0.2632	0.0764	-0.0918	0.0568	0.1024
N 40	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.4295	-0.4073	-0.2261	-0.4302	-0.4272	-0.4214	-0.4295	-0.4295	-0.4295	-0.4401
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.7656	0.7895	0.7620	0.7681	0.7661	0.7599	0.7656	0.7656	0.7656	0.7651
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.1066	-0.0731	-0.0932	0.0612	-0.3384	-0.2339	0.0337	0.1059	0.0298	-0.2002
N 41	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.1116	-0.1916	-0.2499	-0.1056	-0.1157	-0.1147	-0.1116	-0.1116	-0.1116	-0.1141
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.0130	1.0770	1.1247	1.0109	1.0161	1.0153	1.0130	1.0130	1.0130	1.0152
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0210	0.1080	0.1232	0.1570	-0.0043	0.2741	0.0031	-0.2256	0.1522	0.0715
N 42	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.1161	-0.1961	-0.2766	-0.1119	-0.1198	-0.1184	-0.1161	-0.1161	-0.1161	-0.1189
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.0403	1.1148	1.1643	1.0376	1.0436	1.0431	1.0403	1.0403	1.0403	1.0424
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0059	0.1146	0.1197	0.1461	0.0127	0.2784	-0.0098	-0.2236	0.1323	0.0557

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 43	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.2835	-0.3739	-0.4747	-0.2855	-0.2854	-0.2838	-0.2835	-0.2835	-0.2835	-0.2854
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.7546	0.7370	0.6993	0.7521	0.7514	0.7567	0.7546	0.7546	0.7546	0.7514
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0586	-0.0203	0.0708	0.0003	0.3533	0.1885	-0.0768	-0.2440	-0.1032	0.4290
N 44	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.0666	-0.1215	-0.1742	-0.0629	-0.0721	-0.0698	-0.0666	-0.0666	-0.0666	-0.0568
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9250	0.9622	1.0107	0.9246	0.9268	0.9265	0.9250	0.9250	0.9250	0.9206
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1976	0.1416	0.1032	0.1563	-0.0733	0.3388	0.0649	-0.1704	0.1869	0.0173
N 45	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	0.0938	0.0984	-0.0846	0.0959	0.0933	0.0960	0.0938	0.0938	0.0938	0.0925
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.6486	0.6664	0.5739	0.6489	0.6499	0.6485	0.6486	0.6486	0.6486	0.6492
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1865	0.1474	0.0796	0.0629	0.2112	0.2254	-0.0456	0.0399	-0.0657	0.0175
N 46	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.1864	-0.2478	-0.2069	-0.1867	-0.1853	-0.1886	-0.1864	-0.1864	-0.1864	-0.1948
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.6758	0.7021	0.6697	0.6758	0.6771	0.6748	0.6758	0.6758	0.6758	0.6756
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	0.0116	0.0275	-0.0563	0.0892	-0.0100	0.0934	-0.0112	-0.1540	0.0581	-0.0095
N 47	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.1192	-0.1922	-0.2603	-0.1220	-0.1187	-0.1232	-0.1192	-0.1192	-0.1192	-0.1225
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.7988	0.8611	0.8756	0.7989	0.8016	0.7988	0.7988	0.7988	0.7988	0.8022
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0300	0.0686	0.1066	0.1903	0.0883	0.2176	0.0231	-0.2848	0.0777	0.1329
N 48	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.3289	-0.3409	-0.3380	-0.3273	-0.3297	-0.3254	-0.3289	-0.3289	-0.3289	-0.3167
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.7959	0.8290	0.8910	0.7987	0.7984	0.7953	0.7959	0.7959	0.7959	0.7657
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1673	0.0328	-0.0120	0.1257	-0.0218	0.1492	0.1146	-0.0256	0.0774	-0.0385
N 49	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.6228	-0.8039	-0.9664	-0.6236	-0.6256	-0.6257	-0.6228	-0.6228	-0.6228	-0.6047
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.3832	1.3580	1.4041	1.3854	1.3877	1.3852	1.3832	1.3832	1.3832	1.3615
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.3145	0.1389	0.0883	0.1820	0.3513	0.5655	0.1111	-0.2289	0.0816	0.1834

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 50	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-1.5377	-1.6029	-1.7223	-1.5300	-1.5393	-1.5274	-1.5377	-1.5377	-1.5377	-1.5517
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	2.6896	2.8305	3.1520	2.6914	2.6993	2.6755	2.6896	2.6896	2.6896	2.7047
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0626	0.0148	0.0093	0.1706	-0.0742	0.1285	0.0502	-0.2069	0.0931	0.0460
N 51	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-1.1534	-1.2695	-1.3299	-1.1464	-1.1556	-1.1482	-1.1534	-1.1534	-1.1534	-1.1577
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	2.1329	2.2084	2.4436	2.1302	2.1406	2.1243	2.1329	2.1329	2.1329	2.1444
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1377	0.0510	0.0757	0.2110	-0.0236	0.2069	0.0635	-0.2591	0.1288	0.0619
N 52	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.3723	-0.4283	-0.4865	-0.3689	-0.3746	-0.3701	-0.3723	-0.3723	-0.3723	-0.3691
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9563	1.0092	1.0574	0.9575	0.9595	0.9583	0.9563	0.9563	0.9563	0.9588
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1752	0.1124	0.0378	0.1454	-0.0525	0.2411	0.0430	-0.2465	0.2050	0.0543
N 53	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.5785	-0.6904	-0.6444	-0.5780	-0.5749	-0.5780	-0.5785	-0.5785	-0.5785	-0.5700
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.1276	1.1070	1.1796	1.1327	1.1306	1.1266	1.1276	1.1276	1.1276	1.1262
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1766	0.0604	0.0080	0.1422	0.2553	0.3185	0.1540	-0.1603	0.0377	0.1484
N 54	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.4998	-0.5402	-0.5519	-0.4983	-0.5007	-0.4955	-0.4998	-0.4998	-0.4998	-0.5015
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	1.1477	1.2303	1.3485	1.1498	1.1518	1.1488	1.1477	1.1477	1.1477	1.1533
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1135	0.0618	0.0408	0.1746	-0.0109	0.1856	0.0685	-0.1924	0.0933	0.0366
N 55	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.4708	-0.7334	-0.9117	-0.4636	-0.4746	-0.4742	-0.4708	-0.4708	-0.4708	-0.4599
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	2.3193	2.3749	2.5653	2.3186	2.3258	2.3215	2.3193	2.3193	2.3193	2.3210
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1589	0.1781	0.1514	0.2057	0.1351	0.3787	0.0272	-0.3397	0.2162	0.1309
N 56	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.2956	-0.3075	-0.3414	-0.2973	-0.2967	-0.2964	-0.2956	-0.2956	-0.2956	-0.3002
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.9886	1.0694	1.0914	0.9932	0.9926	0.9916	0.9886	0.9886	0.9886	0.9943
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0217	0.0223	0.1072	0.0053	0.0523	0.1149	-0.0262	-0.0049	0.0853	0.0298

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 57	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.1317	-0.1951	-0.2471	-0.1285	-0.1356	-0.1338	-0.1317	-0.1317	-0.1317	-0.1270
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0883	-0.0355
SIG X	0.8768	0.9118	0.9417	0.8758	0.8792	0.8783	0.8768	0.8768	0.8768	0.8765
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1789	0.1205	0.1194	0.1700	-0.0553	0.3398	0.0313	-0.2123	0.2018	0.0460
N 58	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.1204	-0.1212	-0.1227	-0.1184	-0.1197	-0.1182	-0.1204	-0.1204	-0.1204	-0.1172
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.4108	0.4411	0.4381	0.4127	0.4119	0.4111	0.4108	0.4108	0.4108	0.4053
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.0422	0.0174	-0.0135	0.1317	-0.0470	-0.0034	0.0991	-0.1281	0.0363	-0.0507
N 59	13287.	10418.	6688.	13133.	13177.	13200.	13287.	13287.	13287.	13103.
AVE X	-0.3406	-0.4421	-0.5219	-0.3417	-0.3400	-0.3419	-0.3406	-0.3406	-0.3406	-0.3411
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0371	0.0032	-0.2403	-0.4612	0.0880	-0.0355
SIG X	0.7118	0.7067	0.7148	0.7125	0.7142	0.7134	0.7118	0.7118	0.7118	0.7149
SIG Y	1.5244	1.2031	0.9594	1.2275	0.9778	1.0030	0.8528	0.8802	0.9149	1.0081
RXY	-0.1064	0.0168	0.0477	0.1244	0.4266	0.2639	0.0122	-0.2430	-0.0131	0.3358

T REGRESSION

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 1	13001.	13064.	13009.	13064.	13064.	12924.	13064.	13064.	13038.	13064.
AVE X	1.5087	1.4979	1.4994	1.4979	1.4979	1.5023	1.4979	1.4979	1.5015	1.4979
AVE Y	0.0555	0.5128	-0.1335	0.3900	-0.0273	0.7361	-0.0363	-0.0879	-0.4330	-0.0185
SIG X	1.9131	1.9186	1.9215	1.9186	1.9186	1.9222	1.9186	1.9186	1.9107	1.9186
SIG Y	1.0866	1.2117	1.0676	0.9904	0.9835	0.8673	0.9742	0.5106	0.4228	0.9541
RXY	0.0037	0.2176	0.1689	-0.0132	0.0033	0.0748	-0.0077	-0.0270	-0.0582	0.1538
N 2	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.0773	0.0772	0.0729	0.0772	0.0772	0.0778	0.0772	0.0772	0.0765	0.0772
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	2.2617	2.2610	2.2647	2.2610	2.2610	2.2586	2.2610	2.2610	2.2634	2.2610
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0842	0.1274	-0.2513	0.0651	-0.0245	0.0767	-0.0371	0.0280	0.1082	0.0849
N 3	13095.	13157.	13102.	13157.	13157.	13011.	13157.	13157.	13122.	13157.
AVE X	0.4531	0.4508	0.4476	0.4508	0.4508	0.4628	0.4508	0.4508	0.4486	0.4508
AVE Y	0.0590	0.5197	-0.1420	0.4091	-0.0249	0.7445	-0.0461	-0.0928	-0.4325	-0.0100
SIG X	1.3279	1.3254	1.3271	1.3254	1.3254	1.3255	1.3254	1.3254	1.3234	1.3254
SIG Y	1.0897	1.2290	1.0701	1.0735	0.9818	0.8697	0.9725	0.5112	0.4239	0.9530
RXY	0.0758	0.4898	0.0071	0.1331	0.3476	0.0460	-0.0829	-0.0003	-0.1020	0.1446
N 4	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.1244	0.1207	0.1249	0.1207	0.1207	0.1157	0.1207	0.1207	0.1220	0.1207
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.2918	1.2906	1.2889	1.2906	1.2906	1.2904	1.2906	1.2906	1.2914	1.2906
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0082	0.0435	0.1072	0.0269	-0.0143	-0.0620	-0.1278	0.0721	-0.0041	0.1075
N 5	12970.	13032.	12978.	13032.	13032.	12858.	13032.	13032.	12997.	13032.
AVE X	6.3379	6.3380	6.3383	6.3380	6.3380	6.3607	6.3380	6.3380	6.3362	6.3380
AVE Y	0.0344	0.4948	-0.1215	0.3919	-0.0335	0.7498	-0.0267	-0.0932	-0.4339	-0.0028
SIG X	4.2809	4.2804	4.2892	4.2804	4.2804	4.2761	4.2804	4.2804	4.2765	4.2804
SIG Y	1.0577	1.2166	1.0611	1.0541	0.9781	0.8673	0.9733	0.5155	0.4203	0.9456
RXY	0.1250	0.3211	0.0687	0.0752	0.0749	0.2116	-0.0169	-0.0145	-0.0799	0.1486
N 6	12992.	13054.	13000.	13054.	13054.	12861.	13054.	13054.	13016.	13054.
AVE X	1.8639	1.8591	1.8517	1.8591	1.8591	1.8950	1.8591	1.8591	1.8516	1.8591
AVE Y	0.0651	0.5163	-0.1451	0.4052	-0.0417	0.7432	-0.0421	-0.0931	-0.4298	-0.0225
SIG X	4.3549	4.3503	4.3534	4.3503	4.3503	4.3349	4.3503	4.3503	4.3462	4.3503
SIG Y	1.0971	1.2311	1.0724	1.0797	0.9723	0.8783	0.9718	0.5165	0.4313	0.9561
RXY	0.1175	0.6863	0.0685	0.1763	0.4218	0.0699	0.0135	0.1069	0.0207	0.2421
N 7	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.5301	0.5172	0.5084	0.5172	0.5172	0.5352	0.5172	0.5172	0.5049	0.5172
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	2.6321	2.6350	2.6352	2.6350	2.6350	2.6352	2.6350	2.6350	2.6279	2.6350
SIG Y	1.0987	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0829	0.2758	-0.0481	0.1043	0.1809	0.1208	-0.0207	0.0967	-0.0251	0.1271

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 8	12710.	12733.	12679.	12733.	12733.	12582.	12733.	12733.	12701.	12733.
AVE X	0.2216	0.2193	0.2123	0.2193	0.2193	0.2221	0.2193	0.2193	0.2190	0.2193
AVE Y	0.0431	0.4701	-0.1142	0.3831	-0.0397	0.7134	-0.0437	-0.0969	-0.4279	-0.0275
SIG X	1.8249	1.8241	1.8236	1.8241	1.8241	1.8188	1.8241	1.8241	1.8260	1.8241
SIG Y	1.0813	1.1867	1.0519	1.0734	0.9705	0.8287	0.9720	0.5123	0.4364	0.9487
RXY	-0.0640	-0.2068	-0.1511	-0.0176	-0.1647	0.0694	-0.0360	-0.0012	0.0453	-0.0460
N 9	13052.	13115.	13060.	13115.	13115.	12929.	13115.	13115.	13076.	13115.
AVE X	-0.3036	-0.3055	-0.3017	-0.3055	-0.3055	-0.3003	-0.3055	-0.3055	-0.3050	-0.3055
AVE Y	0.0633	0.5141	-0.1383	0.4148	-0.0260	0.7404	-0.0281	-0.0942	-0.4347	-0.0256
SIG X	1.2883	1.2864	1.2877	1.2864	1.2864	1.2931	1.2864	1.2864	1.2879	1.2864
SIG Y	1.0949	1.2330	1.0701	1.0726	0.9816	0.8638	0.9732	0.5164	0.4180	0.9566
RXY	0.0540	0.1608	-0.0057	0.1489	0.2197	-0.0644	-0.0700	0.0290	-0.0141	-0.0303
N 10	12992.	13054.	13000.	13054.	13054.	12977.	13054.	13054.	13019.	13054.
AVE X	0.5719	0.5676	0.5666	0.5676	0.5676	0.5714	0.5676	0.5676	0.5679	0.5676
AVE Y	0.0526	0.5132	-0.1306	0.4150	-0.0215	0.7483	-0.0371	-0.0921	-0.4377	-0.0225
SIG X	2.0124	2.0100	2.0138	2.0100	2.0100	2.0136	2.0100	2.0100	2.0108	2.0100
SIG Y	1.0823	1.2135	1.0620	1.0757	0.9840	0.8654	0.9756	0.5104	0.4095	0.9586
RXY	0.0378	0.2162	-0.0853	0.1774	0.1278	0.0415	-0.0266	0.0727	-0.0132	0.0509
N 11	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.1283	0.1249	0.1266	0.1249	0.1249	0.1315	0.1249	0.1249	0.1262	0.1249
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.5271	1.5244	1.5273	1.5244	1.5244	1.5345	1.5244	1.5244	1.5264	1.5244
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0178	-0.1025	-0.2181	0.0303	0.0468	-0.0528	0.0027	-0.0976	-0.0266	-0.1942
N 12	10362.	10418.	10364.	10418.	10418.	10225.	10418.	10418.	10393.	10418.
AVE X	0.1211	0.1234	0.1184	0.1234	0.1234	0.1241	0.1234	0.1234	0.1221	0.1234
AVE Y	0.1080	0.4483	-0.1935	0.3908	-0.1341	0.8133	-0.0475	-0.0842	-0.4399	-0.0486
SIG X	1.2046	1.2031	1.2043	1.2031	1.2031	1.2007	1.2031	1.2031	1.2038	1.2031
SIG Y	1.1483	1.2495	1.0993	1.0678	0.9286	0.8758	0.9686	0.5250	0.4031	0.9530
RXY	0.0183	0.0207	0.1403	0.0311	0.0111	0.1416	0.0453	-0.0119	0.0676	0.1484
N 13	6648.	6688.	6677.	6688.	6688.	6539.	6688.	6688.	6656.	6688.
AVE X	0.1336	0.1329	0.1342	0.1329	0.1329	0.1111	0.1329	0.1329	0.1320	0.1329
AVE Y	0.1019	0.4143	-0.2827	0.3023	-0.1020	0.7632	0.0254	-0.1174	-0.4173	-0.1238
SIG X	0.9622	0.9594	0.9596	0.9594	0.9594	0.9348	0.9594	0.9594	0.9590	0.9594
SIG Y	1.1303	1.3931	1.1518	0.9364	0.9643	0.9440	0.9849	0.5717	0.4637	0.9436
RXY	-0.0150	-0.0464	0.1028	-0.0374	0.0679	0.0465	0.1376	-0.1583	0.0965	-0.0221
N 14	13071.	13133.	13078.	13133.	13133.	12946.	13133.	13133.	13095.	13133.
AVE X	-0.0380	-0.0298	-0.0330	-0.0298	-0.0298	-0.0316	-0.0298	-0.0298	-0.0294	-0.0298
AVE Y	0.0585	0.5062	-0.1358	0.4040	-0.0355	0.7398	-0.0379	-0.0929	-0.4303	-0.0226
SIG X	1.2238	1.2275	1.2288	1.2275	1.2275	1.2251	1.2275	1.2275	1.2293	1.2275
SIG Y	1.0896	1.2148	1.0675	1.0758	0.9757	0.8739	0.9754	0.5159	0.4303	0.9605
RXY	-0.0198	-0.0075	0.1290	-0.0234	0.0329	0.0562	0.0330	-0.1003	0.0304	0.0731

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 15	13115.	13177.	13122.	13177.	13177.	13011.	13177.	13177.	13139.	13177.
AVE X	-0.0371	-0.0371	-0.0435	-0.0371	-0.0371	-0.0349	-0.0371	-0.0371	-0.0391	-0.0371
AVE Y	0.0614	0.5028	-0.1434	0.4080	-0.0280	0.7424	-0.0396	-0.0953	-0.4306	-0.0259
SIG X	0.9789	0.9778	0.9748	0.9778	0.9778	0.9759	0.9778	0.9778	0.9767	0.9778
SIG Y	1.0926	1.2128	1.0714	1.0724	0.9812	0.8738	0.9743	0.5140	0.4293	0.9560
RXY	0.1938	0.5532	-0.0646	0.2376	0.2975	0.0281	0.0419	0.1216	0.0142	0.1661
N 16	13137.	13200.	13145.	13200.	13200.	13033.	13200.	13200.	13161.	13200.
AVE X	0.0012	0.0032	0.0011	0.0032	0.0032	0.0167	0.0032	0.0032	0.0027	0.0032
AVE Y	0.0589	0.5105	-0.1405	0.4010	-0.0344	0.7429	-0.0381	-0.0933	-0.4307	-0.0236
SIG X	1.0048	1.0030	1.0046	1.0030	1.0030	0.9953	1.0030	1.0030	1.0038	1.0030
SIG Y	1.0896	1.2303	1.0710	1.0734	0.9757	0.8724	0.9720	0.5143	0.4290	0.9565
RXY	0.0502	0.2617	0.3582	-0.1064	0.0635	0.1006	0.0013	0.1009	-0.0596	0.2920
N 17	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.2369	-0.2403	-0.2436	-0.2403	-0.2403	-0.2423	-0.2403	-0.2403	-0.2405	-0.2403
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.8533	0.8528	0.8511	0.8528	0.8528	0.8418	0.8528	0.8528	0.8531	0.8528
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0396	-0.0316	0.0225	-0.0936	-0.0520	0.0731	-0.0562	-0.0573	0.0755	0.1176
N 18	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.4590	-0.4612	-0.4626	-0.4612	-0.4612	-0.4653	-0.4612	-0.4612	-0.4633	-0.4612
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.8797	0.8802	0.8817	0.8802	0.8802	0.8691	0.8802	0.8802	0.8804	0.8802
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0568	0.1794	-0.1936	-0.0077	-0.1658	0.0072	-0.1504	0.5921	0.0237	-0.0211
N 19	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.0911	0.0880	0.0912	0.0880	0.0880	0.0799	0.0880	0.0880	0.0888	0.0880
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9159	0.9149	0.9155	0.9149	0.9149	0.9085	0.9149	0.9149	0.9155	0.9149
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0372	-0.1267	0.1533	0.0701	-0.0279	-0.0914	-0.0020	-0.0993	-0.0352	-0.1459
N 20	13041.	13103.	13049.	13103.	13103.	12910.	13103.	13103.	13065.	13103.
AVE X	-0.0395	-0.0355	-0.0373	-0.0355	-0.0355	-0.0300	-0.0355	-0.0355	-0.0374	-0.0355
AVE Y	0.0503	0.5079	-0.1290	0.4052	-0.0299	0.7427	-0.0382	-0.0953	-0.4301	-0.0215
SIG X	1.0088	1.0081	1.0083	1.0081	1.0081	1.0061	1.0081	1.0081	1.0084	1.0081
SIG Y	1.0785	1.2275	1.0630	1.0752	0.9786	0.8767	0.9758	0.5167	0.4305	0.9601
RXY	-0.0292	0.2197	-0.0178	0.0338	0.2067	0.0390	0.0259	-0.0430	-0.0092	0.0618
N 21	13225.	13225.	13170.	13225.	13225.	13031.	13225.	13225.	13186.	13225.
AVE X	0.0581	0.0581	0.0478	0.0581	0.0581	0.0573	0.0581	0.0581	0.0572	0.0581
AVE Y	0.0581	0.5166	-0.1333	0.4071	-0.0252	0.7340	-0.0405	-0.0911	-0.4308	-0.0249
SIG X	1.0887	1.0887	1.0755	1.0887	1.0887	1.0874	1.0887	1.0887	1.0875	1.0887
SIG Y	1.0887	1.2277	1.0655	1.0756	0.9802	0.8612	0.9738	0.5151	0.4286	0.9556
RXY	1.0000	0.2516	-0.1763	0.1641	0.0501	0.0750	0.0359	0.0954	-0.0163	-0.0905

T REGRESSION

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 22	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.5166	0.5128	0.5126	0.5128	0.5128	0.5111	0.5128	0.5128	0.5092	0.5128
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.2277	1.2267	1.2291	1.2267	1.2267	1.2127	1.2267	1.2267	1.2215	1.2267
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.2516	1.0000	-0.0759	0.1759	0.2961	0.1338	-0.0777	0.4047	0.0112	0.1673
N 23	13170.	13232.	13232.	13232.	13232.	13039.	13232.	13232.	13194.	13232.
AVE X	-0.1333	-0.1382	-0.1382	-0.1382	-0.1382	-0.1342	-0.1382	-0.1382	-0.1357	-0.1382
AVE Y	0.0478	0.5126	-0.1382	0.4075	-0.0281	0.7375	-0.0430	-0.0915	-0.4309	-0.0257
SIG X	1.0655	1.0685	1.0685	1.0685	1.0685	1.0648	1.0685	1.0685	1.0672	1.0685
SIG Y	1.0755	1.2291	1.0685	1.0752	0.9809	0.8698	0.9710	0.5156	0.4284	0.9564
RXY	-0.1763	-0.0759	1.0000	-0.2703	0.0288	-0.0753	0.1702	-0.1772	-0.0657	0.2106
N 24	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.4071	0.4071	0.4075	0.4071	0.4071	0.4158	0.4071	0.4071	0.4059	0.4071
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.0756	1.0732	1.0752	1.0732	1.0732	1.0726	1.0732	1.0732	1.0725	1.0732
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.1641	0.1759	-0.2703	1.0000	0.2041	-0.0427	-0.0387	0.0594	-0.0394	-0.1207
N 25	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.0252	-0.0283	-0.0281	-0.0283	-0.0283	-0.0243	-0.0283	-0.0283	-0.0281	-0.0283
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9802	0.9791	0.9809	0.9791	0.9791	0.9844	0.9791	0.9791	0.9800	0.9791
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0501	0.2961	0.0288	0.2041	1.0000	-0.1009	0.1973	-0.0097	0.0289	0.0257
N 26	13031.	13094.	13039.	13094.	13094.	13094.	13094.	13094.	13059.	13094.
AVE X	0.7340	0.7416	0.7375	0.7416	0.7416	0.7416	0.7416	0.7416	0.7426	0.7416
AVE Y	0.0573	0.5111	-0.1342	0.4158	-0.0243	0.7416	-0.0375	-0.0959	-0.4385	-0.0142
SIG X	0.8612	0.8710	0.8698	0.8710	0.8710	0.8710	0.8710	0.8710	0.8705	0.8710
SIG Y	1.0874	1.2127	1.0648	1.0726	0.9844	0.8710	0.9725	0.5075	0.4071	0.9535
RXY	0.0750	0.1338	-0.0753	-0.0427	-0.1009	1.0000	-0.0404	-0.0321	0.0379	0.1359
N 27	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.0405	-0.0381	-0.0430	-0.0381	-0.0381	-0.0375	-0.0381	-0.0381	-0.0379	-0.0381
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9738	0.9732	0.9710	0.9732	0.9732	0.9725	0.9732	0.9732	0.9735	0.9732
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0359	-0.0777	0.1702	-0.0387	0.1973	-0.0404	1.0000	-0.0689	0.0957	-0.1176
N 28	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.0911	-0.0916	-0.0915	-0.0916	-0.0916	-0.0959	-0.0916	-0.0916	-0.0924	-0.0916
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.5151	0.5147	0.5156	0.5147	0.5147	0.5075	0.5147	0.5147	0.5150	0.5147
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0954	0.4047	-0.1772	0.0594	-0.0097	-0.0321	-0.0689	1.0000	0.0331	-0.0079

T REGRESSION

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 29	13186.	13249.	13194.	13249.	13249.	13059.	13249.	13249.	13249.	13249.
AVE X	-0.4308	-0.4312	-0.4309	-0.4312	-0.4312	-0.4385	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	0.0572	0.5092	-0.1357	0.4059	-0.0281	0.7426	-0.0379	-0.0924	-0.4312	-0.0212
SIG X	0.4286	0.4276	0.4284	0.4276	0.4276	0.4071	0.4276	0.4276	0.4276	0.4276
SIG Y	1.0875	1.2215	1.0672	1.0725	0.9800	0.8705	0.9735	0.5150	0.4276	0.9564
RXY	-0.0163	0.0112	-0.0657	-0.0394	0.0289	0.0379	0.0957	0.0331	1.0000	0.0253
N 30	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.0249	-0.0214	-0.0257	-0.0214	-0.0214	-0.0142	-0.0214	-0.0214	-0.0212	-0.0214
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9556	0.9568	0.9564	0.9568	0.9568	0.9535	0.9568	0.9568	0.9564	0.9568
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0905	0.1673	0.2106	-0.1207	0.0257	0.1359	-0.1176	-0.0079	0.0253	1.0000
N 31	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.3305	-0.3318	-0.3307	-0.3318	-0.3318	-0.3406	-0.3318	-0.3318	-0.3328	-0.3318
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.6423	0.6410	0.6421	0.6410	0.6410	0.6304	0.6410	0.6410	0.6391	0.6410
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0924	-0.3801	0.0932	-0.0785	-0.1589	-0.0262	0.0861	-0.1245	0.0744	-0.0464
N 32	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.0881	-0.0751	-0.0781	-0.0751	-0.0751	-0.0866	-0.0751	-0.0751	-0.0770	-0.0751
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.6335	1.6469	1.6485	1.6469	1.6469	1.6479	1.6469	1.6469	1.6484	1.6469
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0477	-0.2462	-0.0324	-0.0557	-0.1465	-0.0519	0.1748	-0.0844	-0.0060	-0.1231
N 33	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.5794	-0.5828	-0.5761	-0.5828	-0.5828	-0.5729	-0.5828	-0.5828	-0.5815	-0.5828
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	2.1142	2.1202	2.1181	2.1202	2.1202	2.1240	2.1202	2.1202	2.1224	2.1202
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1144	-0.0723	0.4498	-0.2884	-0.1117	0.0480	-0.0702	-0.0962	-0.0159	0.3490
N 34	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.0170	0.0189	0.0202	0.0189	0.0189	0.0082	0.0189	0.0189	0.0164	0.0189
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.5725	1.5717	1.5747	1.5717	1.5717	1.5660	1.5717	1.5717	1.5678	1.5717
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1422	-0.1028	0.0536	-0.0238	0.1413	-0.0638	-0.1466	-0.0954	-0.0621	-0.0032
N 35	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.2852	-0.2837	-0.2832	-0.2837	-0.2837	-0.2716	-0.2837	-0.2837	-0.2836	-0.2837
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.2187	1.2179	1.2203	1.2179	1.2179	1.2190	1.2179	1.2179	1.2178	1.2179
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0062	0.1587	0.2555	0.0100	0.1957	0.0589	0.0705	-0.0147	-0.0946	0.2450

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 36	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.3153	-0.3109	-0.3116	-0.3109	-0.3109	-0.3038	-0.3109	-0.3109	-0.3165	-0.3109
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.0909	1.0906	1.0926	1.0906	1.0906	1.0952	1.0906	1.0906	1.0839	1.0906
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1392	0.1780	0.0601	0.0631	0.1810	-0.0473	-0.0273	-0.0148	-0.0486	0.1561
N 37	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.1592	-0.1657	-0.1653	-0.1657	-0.1657	-0.1613	-0.1657	-0.1657	-0.1645	-0.1657
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9317	0.9491	0.9508	0.9491	0.9491	0.9504	0.9491	0.9491	0.9488	0.9491
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0343	0.1501	0.2792	0.0035	0.2842	-0.0942	-0.0141	0.0741	-0.0112	0.1528
N 38	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.0124	0.0100	0.0095	0.0100	0.0100	0.0077	0.0100	0.0100	0.0108	0.0100
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.7639	0.7695	0.7709	0.7695	0.7695	0.7720	0.7695	0.7695	0.7699	0.7695
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0581	-0.0284	-0.3329	0.0035	-0.0920	0.0780	-0.1480	0.0834	-0.0581	-0.0105
N 39	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.2597	-0.2622	-0.2642	-0.2622	-0.2622	-0.2612	-0.2622	-0.2622	-0.2629	-0.2622
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.7510	0.7505	0.7515	0.7505	0.7505	0.7489	0.7505	0.7505	0.7507	0.7505
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0574	0.0906	0.3300	-0.0208	0.0314	0.0262	-0.0155	-0.0398	-0.0622	0.1876
N 40	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.4334	-0.4295	-0.4283	-0.4295	-0.4295	-0.4346	-0.4295	-0.4295	-0.4295	-0.4295
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.7651	0.7656	0.7660	0.7656	0.7656	0.7688	0.7656	0.7656	0.7652	0.7656
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0345	-0.3090	-0.1395	-0.1174	-0.2077	-0.0501	0.0617	-0.0990	0.0660	-0.1097
N 41	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.1058	-0.1116	-0.1123	-0.1116	-0.1116	-0.1033	-0.1116	-0.1116	-0.1096	-0.1116
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.0079	1.0130	1.0150	1.0130	1.0130	1.0047	1.0130	1.0130	1.0113	1.0130
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1375	-0.0308	0.8448	-0.1623	0.2379	-0.1115	0.1642	-0.2036	-0.0210	0.1892
N 42	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.1101	-0.1161	-0.1185	-0.1161	-0.1161	-0.1066	-0.1161	-0.1161	-0.1138	-0.1161
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.0347	1.0403	1.0418	1.0403	1.0403	1.0318	1.0403	1.0403	1.0382	1.0403
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1121	-0.0143	0.8310	-0.1304	0.2307	-0.1198	0.1609	-0.2027	-0.0235	0.1637

T REGRESSION

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 43	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.2830	-0.2835	-0.2819	-0.2835	-0.2835	-0.2776	-0.2835	-0.2835	-0.2861	-0.2835
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.7563	0.7546	0.7557	0.7546	0.7546	0.7568	0.7546	0.7546	0.7522	0.7546
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0953	0.3052	0.0893	0.1129	0.3487	-0.0496	-0.0064	-0.0101	-0.0477	0.1246
N 44	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.0626	-0.0666	-0.0668	-0.0666	-0.0666	-0.0610	-0.0666	-0.0666	-0.0637	-0.0666
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9223	0.9250	0.9268	0.9250	0.9250	0.9216	0.9250	0.9250	0.9234	0.9250
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1575	-0.0708	0.8999	-0.2575	-0.0061	-0.0561	0.1278	-0.1599	-0.0419	0.1865
N 45	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	0.0940	0.0938	0.0927	0.0938	0.0938	0.0985	0.0938	0.0938	0.0942	0.0938
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.6468	0.6486	0.6492	0.6486	0.6486	0.6498	0.6486	0.6486	0.6483	0.6486
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	0.0279	0.1875	0.0941	-0.0231	0.0838	0.0752	-0.0238	0.1176	0.0131	0.0977
N 46	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.1842	-0.1864	-0.1860	-0.1864	-0.1864	-0.1808	-0.1864	-0.1864	-0.1848	-0.1864
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.6734	0.6758	0.6771	0.6758	0.6758	0.6777	0.6758	0.6758	0.6756	0.6758
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1101	-0.0726	0.2464	-0.1171	0.1047	-0.0485	0.0330	-0.1726	0.0643	0.0231
N 47	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.1192	-0.1192	-0.1191	-0.1192	-0.1192	-0.1110	-0.1192	-0.1192	-0.1181	-0.1192
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.7992	0.7988	0.8004	0.7988	0.7988	0.7974	0.7988	0.7988	0.7979	0.7988
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0932	-0.0024	0.5122	-0.1059	0.2675	-0.0718	0.1765	-0.1749	0.0020	0.2035
N 48	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.3289	-0.3289	-0.3294	-0.3289	-0.3289	-0.3334	-0.3289	-0.3289	-0.3224	-0.3289
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.7974	0.7959	0.7974	0.7959	0.7959	0.7920	0.7959	0.7959	0.7672	0.7959
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0956	-0.0977	0.2971	-0.1258	-0.1114	0.0016	-0.0085	-0.1108	0.0420	0.1007
N 49	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.6180	-0.6228	-0.6252	-0.6228	-0.6228	-0.6143	-0.6228	-0.6228	-0.6175	-0.6228
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.3821	1.3832	1.3855	1.3832	1.3832	1.3836	1.3832	1.3832	1.3666	1.3832
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1275	0.1914	0.6646	-0.1508	0.1733	-0.0488	0.0597	-0.1206	-0.0245	0.3481

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 50	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-1.5411	-1.5377	-1.5388	-1.5377	-1.5377	-1.5138	-1.5377	-1.5377	-1.5195	-1.5377
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	2.6942	2.6896	2.6951	2.6896	2.6896	2.6488	2.6896	2.6896	2.6330	2.6896
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1459	-0.1594	0.4182	-0.1334	0.0337	0.0011	0.0841	-0.2252	0.0136	0.1049
N 51	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-1.1530	-1.1534	-1.1541	-1.1534	-1.1534	-1.1393	-1.1534	-1.1534	-1.1410	-1.1534
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	2.1367	2.1329	2.1373	2.1329	2.1329	2.1031	2.1329	2.1329	2.1005	2.1329
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1678	-0.1292	0.5590	-0.1720	0.0683	-0.0025	0.1146	-0.2607	0.0288	0.1457
N 52	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.3673	-0.3723	-0.3704	-0.3723	-0.3723	-0.3680	-0.3723	-0.3723	-0.3636	-0.3723
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9531	0.9563	0.9572	0.9563	0.9563	0.9567	0.9563	0.9563	0.9086	0.9563
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1530	-0.0791	0.6779	-0.1991	0.0173	-0.0538	0.0860	-0.2028	-0.0377	0.1869
N 53	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.5771	-0.5785	-0.5785	-0.5785	-0.5785	-0.5761	-0.5785	-0.5785	-0.5716	-0.5785
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.1283	1.1276	1.1300	1.1276	1.1276	1.1269	1.1276	1.1276	1.1061	1.1276
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1061	0.1040	0.2446	-0.0859	0.1383	-0.0538	-0.0469	-0.1373	0.0259	0.2463
N 54	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.5000	-0.4998	-0.4996	-0.4998	-0.4998	-0.4989	-0.4998	-0.4998	-0.4886	-0.4998
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	1.1496	1.1477	1.1500	1.1477	1.1477	1.1469	1.1477	1.1477	1.1176	1.1477
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0834	-0.0616	0.3984	-0.1211	0.0294	-0.0031	0.0694	-0.1830	0.0161	0.1355
N 55	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.4614	-0.4708	-0.4719	-0.4708	-0.4708	-0.4528	-0.4708	-0.4708	-0.4644	-0.4708
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	2.3161	2.3193	2.3240	2.3193	2.3193	2.3046	2.3193	2.3193	2.3140	2.3193
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.1759	0.0405	0.7754	-0.2180	0.2002	-0.0677	0.1526	-0.2331	0.0099	0.2652
N 56	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE X	-0.2971	-0.2956	-0.2960	-0.2956	-0.2956	-0.2962	-0.2956	-0.2956	-0.2831	-0.2956
AVE Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG X	0.9907	0.9886	0.9906	0.9886	0.9886	0.9948	0.9886	0.9886	0.8466	0.9886
SIG Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
RXY	-0.0408	0.0393	0.2176	-0.0503	0.0650	-0.0018	0.0810	0.0079	0.0313	0.0918

GROUP WITHIN SET

X VS. Y		21	22	23	24	25	26	27	28	29	30
	N 57	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE	X	-0.1277	-0.1317	-0.1330	-0.1317	-0.1317	-0.1269	-0.1317	-0.1317	-0.1296	-0.1317
AVE	Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG	X	0.8739	0.8768	0.8784	0.8768	0.8768	0.8717	0.8768	0.8768	0.8754	0.8768
SIG	Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
	RXY	-0.1583	-0.0608	0.9251	-0.2670	0.0926	-0.0756	0.1404	-0.2003	-0.0286	0.2272
	N 58	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE	X	-0.1210	-0.1204	-0.1195	-0.1204	-0.1204	-0.1244	-0.1204	-0.1204	-0.1169	-0.1204
AVE	Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG	X	0.4116	0.4108	0.4111	0.4108	0.4108	0.4059	0.4108	0.4108	0.3890	0.4108
SIG	Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
	RXY	-0.0704	-0.0625	0.1287	-0.0526	-0.0096	-0.0059	0.0125	-0.1291	0.0601	0.0587
	N 59	13225.	13287.	13232.	13287.	13287.	13094.	13287.	13287.	13249.	13287.
AVE	X	-0.3389	-0.3406	-0.3392	-0.3406	-0.3406	-0.3329	-0.3406	-0.3406	-0.3370	-0.3406
AVE	Y	0.0581	0.5128	-0.1382	0.4071	-0.0283	0.7416	-0.0381	-0.0916	-0.4312	-0.0214
SIG	X	0.7125	0.7118	0.7130	0.7118	0.7118	0.7135	0.7118	0.7118	0.6969	0.7118
SIG	Y	1.0887	1.2267	1.0685	1.0732	0.9791	0.8710	0.9732	0.5147	0.4276	0.9568
	RXY	-0.1100	0.2720	0.2206	0.0312	0.3749	-0.0851	0.0777	-0.0586	0.0708	0.2069

GROUP WITHIN SET

X VS. Y		31	32	33	34	35	36	37	38	39	40
N	1	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.
AVE X		1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979
AVE Y		-0.3429	-0.0881	-0.5682	0.0132	-0.2708	-0.3085	-0.1629	0.0083	-0.2541	-0.4317
SIG X		1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186
SIG Y		0.6277	1.6531	2.1255	1.5631	1.2183	1.0893	0.9549	0.7741	0.7486	0.7687
RXY		-0.1153	-0.0668	0.1105	0.0311	0.0984	0.0224	0.0398	-0.0250	0.1451	-0.0796
N	2	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772
AVE Y		-0.3319	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X		2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610
SIG Y		0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY		-0.1278	0.1278	-0.0961	-0.1509	-0.1291	0.0354	-0.1143	0.0816	-0.0838	0.1044
N	3	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.
AVE X		0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508
AVE Y		-0.3365	-0.0849	-0.5624	0.0195	-0.2809	-0.3127	-0.1607	0.0129	-0.2669	-0.4347
SIG X		1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254
SIG Y		0.6328	1.6451	2.1153	1.5743	1.2198	1.0929	0.9451	0.7678	0.7484	0.7655
RXY		-0.4801	-0.2027	0.0193	0.0776	0.3118	0.4214	0.2177	-0.0287	0.2118	-0.2817
N	4	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207
AVE Y		-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X		1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906
SIG Y		0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY		0.0438	-0.0975	0.0577	0.0584	0.1356	0.0564	0.1715	-0.1208	0.0771	-0.1199
N	5	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.
AVE X		6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380
AVE Y		-0.3290	-0.0812	-0.5704	0.0166	-0.2740	-0.2997	-0.1660	0.0138	-0.2578	-0.4321
SIG X		4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804
SIG Y		0.6444	1.6453	2.1262	1.5842	1.2184	1.0775	0.9501	0.7724	0.7541	0.7705
RXY		-0.1659	-0.0980	-0.0507	-0.0175	0.0938	0.0213	0.0436	0.0846	0.0350	-0.1406
N	6	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591
AVE Y		-0.3275	-0.0723	-0.5902	0.0053	-0.2856	-0.3226	-0.1825	0.0012	-0.2546	-0.4116
SIG X		4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503
SIG Y		0.6458	1.6331	2.1298	1.5630	1.1913	1.0784	0.9391	0.7677	0.7451	0.7501
RXY		-0.4539	-0.3773	-0.0775	0.0843	0.3763	0.3909	0.2417	-0.1099	0.1757	-0.4484
N	7	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172
AVE Y		-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X		2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350
SIG Y		0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY		-0.2109	-0.1929	-0.0666	0.0558	0.1286	0.1499	0.0820	-0.0514	0.0305	-0.1785

T REGRESSION

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 8	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.
AVE X	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193
AVE Y	-0.3265	-0.0693	-0.5304	0.0138	-0.2796	-0.2940	-0.1497	0.0147	-0.2606	-0.4269
SIG X	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241
SIG Y	0.6447	1.6319	2.1094	1.5744	1.2250	1.0965	0.9328	0.7706	0.7361	0.7646
RXY	0.2099	0.1649	-0.0218	-0.0904	-0.1195	-0.1523	-0.0980	0.1224	-0.1432	0.1816
N 9	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.
AVE X	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055
AVE Y	-0.3299	-0.0719	-0.5799	0.0244	-0.2828	-0.3085	-0.1616	0.0068	-0.2640	-0.4248
SIG X	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864
SIG Y	0.6439	1.6467	2.1165	1.5748	1.2233	1.0936	0.9504	0.7713	0.7487	0.7612
RXY	-0.0512	-0.1759	-0.0954	0.2023	0.1400	0.0715	0.1716	-0.0542	0.0498	-0.0971
N 10	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676
AVE Y	-0.3426	-0.0996	-0.5879	0.0104	-0.2644	-0.3011	-0.1592	0.0022	-0.2559	-0.4386
SIG X	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100
SIG Y	0.6279	1.6353	2.1288	1.5714	1.2162	1.0949	0.9525	0.7688	0.7543	0.7676
RXY	-0.0819	-0.1975	-0.0465	0.0148	0.1694	0.1257	0.0947	-0.0920	0.1251	-0.1959
N 11	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	0.1304	0.0125	-0.2099	0.0819	-0.1042	-0.1125	-0.0310	0.0315	-0.1183	0.1066
N 12	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.
AVE X	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234
AVE Y	-0.2906	-0.0074	-0.7165	-0.0164	-0.3785	-0.4275	-0.2465	0.0458	-0.3216	-0.4073
SIG X	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031
SIG Y	0.6859	1.7156	2.0319	1.5914	1.2419	1.0682	0.9694	0.7785	0.7885	0.7895
RXY	0.0169	-0.0785	0.0454	0.0323	0.0340	-0.0460	0.0557	-0.0330	0.0466	-0.0731
N 13	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.
AVE X	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329
AVE Y	-0.2270	0.2458	-0.5519	-0.1522	-0.6067	-0.5186	-0.2366	0.0701	-0.3974	-0.2261
SIG X	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594
SIG Y	0.7344	1.6884	1.8724	1.5133	1.1622	1.0076	0.9573	0.7604	0.7170	0.7620
RXY	-0.0286	-0.0077	0.0383	0.0936	0.0173	0.0625	0.0328	-0.0924	-0.0112	-0.0932
N 14	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.
AVE X	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298
AVE Y	-0.3287	-0.0867	-0.5759	0.0197	-0.2855	-0.3126	-0.1568	0.0124	-0.2744	-0.4302
SIG X	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275
SIG Y	0.6442	1.6412	2.1119	1.5734	1.2182	1.0873	0.9496	0.7692	0.7412	0.7681
RXY	-0.0732	-0.0607	0.0993	0.0739	0.1453	-0.0057	0.0461	-0.0493	0.1757	0.0612

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 15	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.
AVE X	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371
AVE Y	-0.3296	-0.0784	-0.5724	0.0194	-0.2858	-0.3158	-0.1647	0.0148	-0.2680	-0.4272
SIG X	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778
SIG Y	0.6433	1.6487	2.1225	1.5739	1.2185	1.0813	0.9506	0.7704	0.7468	0.7661
RXY	-0.2704	-0.3057	-0.0636	0.0168	0.2780	0.2574	0.2317	-0.1299	0.1565	-0.3384
N 15	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.
AVE X	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
AVE Y	-0.3300	-0.0602	-0.5800	0.0003	-0.3006	-0.3091	-0.1710	0.0068	-0.2689	-0.4214
SIG X	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030
SIG Y	0.6428	1.6383	2.1136	1.5569	1.1945	1.0925	0.9499	0.7682	0.7456	0.7599
RXY	-0.1828	-0.1790	0.2798	-0.0085	0.3313	0.1691	0.2363	-0.1377	0.2632	-0.2339
N 17	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	0.0176	-0.1015	0.2421	-0.0383	0.0002	-0.0469	0.0250	0.0551	0.0764	0.0337
N 18	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	-0.0880	0.0448	-0.0393	-0.1363	-0.1236	-0.0866	-0.0412	0.0797	-0.0918	0.1059
N 19	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	0.0549	-0.0892	0.0054	0.1872	-0.0706	-0.1689	0.0963	-0.0095	0.0568	0.0298
N 20	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.
AVE X	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355
AVE Y	-0.3281	-0.0745	-0.5589	0.0111	-0.2918	-0.3112	-0.1594	0.0057	-0.2624	-0.4401
SIG X	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081
SIG Y	0.6447	1.6525	2.1110	1.5600	1.2105	1.0916	0.9493	0.7640	0.7504	0.7651
RXY	-0.2154	-0.0787	-0.0021	0.0435	0.0883	0.3978	0.1030	-0.1068	0.1024	-0.2002
N 21	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.
AVE X	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581
AVE Y	-0.3305	-0.0881	-0.5794	0.0170	-0.2852	-0.3153	-0.1592	0.0124	-0.2597	-0.4334
SIG X	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887
SIG Y	0.6423	1.6335	2.1142	1.5725	1.2187	1.0909	0.9317	0.7639	0.7510	0.7651
RXY	-0.0924	-0.0477	-0.1144	-0.1422	0.0062	-0.1392	0.0343	-0.0581	-0.0574	-0.0345

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 22	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	-0.3801	-0.2462	-0.0723	-0.1028	0.1587	0.1780	0.1501	-0.0284	0.0906	-0.3090
N 23	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.
AVE X	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382
AVE Y	-0.3307	-0.0781	-0.5761	0.0202	-0.2832	-0.3116	-0.1653	0.0095	-0.2642	-0.4283
SIG X	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685
SIG Y	0.6421	1.6485	2.1181	1.5747	1.2203	1.0926	0.9508	0.7709	0.7515	0.7660
RXY	0.0932	-0.0324	0.4498	0.0536	0.2555	0.0601	0.2792	-0.3329	0.3300	-0.1395
N 24	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	-0.0785	-0.0557	-0.2884	-0.0238	0.0100	0.0631	0.0035	0.0035	-0.0208	-0.1174
N 25	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	-0.1589	-0.1465	-0.1117	0.1413	0.1957	0.1810	0.2842	-0.0920	0.0314	-0.2077
N 26	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.
AVE X	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416
AVE Y	-0.3406	-0.0866	-0.5729	0.0082	-0.2716	-0.3038	-0.1613	0.0077	-0.2612	-0.4346
SIG X	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710
SIG Y	0.6304	1.6479	2.1240	1.5660	1.2190	1.0952	0.9504	0.7720	0.7489	0.7688
RXY	-0.0262	-0.0519	0.0480	-0.0638	0.0589	-0.0473	-0.0942	0.0780	0.0262	-0.0501
N 27	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	0.0861	0.1748	-0.0702	-0.1466	0.0705	-0.0273	-0.0141	-0.1480	-0.0155	0.0817
N 28	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	-0.1245	-0.0844	-0.0962	-0.0954	-0.0147	-0.0148	0.0741	0.0834	-0.0398	-0.0990

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 29	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.
AVE X	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	-0.3328	-0.0770	-0.5815	0.0164	-0.2836	-0.3165	-0.1645	0.0108	-0.2629	-0.4295
SIG X	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276
SIG Y	0.6391	1.6484	2.1224	1.5678	1.2178	1.0839	0.9488	0.7699	0.7507	0.7652
RXY	0.0744	-0.0060	-0.0159	-0.0621	-0.0946	-0.0486	-0.0112	-0.0581	-0.0622	0.0660
N 30	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	-0.0464	-0.1231	0.3490	-0.0032	0.2450	0.1561	0.1528	-0.0105	0.1876	-0.1097
N 31	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318
AVE Y	-0.3318	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295
SIG X	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410
SIG Y	0.6410	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656
RXY	1.0000	0.1646	0.1022	-0.0364	-0.1794	-0.2226	-0.0516	-0.1028	-0.0909	0.2031
N 32	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0751	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.6469	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.1646	1.0000	-0.0177	-0.2784	-0.3914	0.1822	-0.2477	0.1344	-0.2355	0.3831
N 33	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.5828	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	2.1202	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.1022	-0.0177	1.0000	0.0034	0.1007	-0.0125	0.1515	-0.0846	0.2365	0.0651
N 34	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0189	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.5717	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.0364	-0.2784	0.0034	1.0000	0.1663	0.0722	0.1406	0.0203	0.0474	-0.1508
N 35	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.2837	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.2179	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.1794	-0.3914	0.1007	0.1663	1.0000	0.1523	0.3037	-0.1048	0.3541	-0.1497

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 36	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3109	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.0906	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.2226	0.1822	-0.0125	0.0722	0.1523	1.0000	0.1752	0.0719	0.0709	-0.2790
N 37	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1657	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.9491	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.0516	-0.2477	0.1515	0.1406	0.3037	0.1752	1.0000	-0.1149	0.2522	-0.1507
N 38	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0100	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.7695	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.1028	0.1344	-0.0846	0.0203	-0.1048	0.0719	-0.1149	1.0000	-0.2547	0.0339
N 39	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.2622	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.7505	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.0909	-0.2355	0.2365	0.0474	0.3541	0.0709	0.2522	-0.2547	1.0000	0.0166
N 40	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.4295	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.7656	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.2031	0.3831	0.0651	-0.1508	-0.1497	-0.2790	-0.1507	0.0339	0.0166	1.0000
N 41	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1116	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.0130	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.0515	-0.0688	0.3307	0.1025	0.2847	0.0718	0.3545	-0.3781	0.3179	-0.1486
N 42	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1161	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.0403	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.0522	-0.0429	0.3059	0.0836	0.2807	0.0664	0.3311	-0.3832	0.3265	-0.1153

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 43	13287.	14892.	14892.							
AVE X	-0.2835	-0.3149	-0.3149	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE Y	-0.3318	-0.0046	-0.5783	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149
SIG X	0.7546	0.7500	0.7500	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG Y	0.6410	1.6619	2.0840	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500
RXY	-0.2407	-0.0063	-0.0646	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
				0.1974	0.2522	0.7767	0.2716	-0.0171	0.1088	-0.3690
N 44	13287.	14892.	14892.							
AVE X	-0.0665	-0.0692	-0.0692	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE Y	-0.3318	-0.0046	-0.5783	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692
SIG X	0.9250	0.9268	0.9268	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG Y	0.6410	1.6619	2.0840	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268
RXY	0.0496	-0.0651	0.4427	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
				0.0279	0.2345	-0.0093	0.2718	-0.3172	0.3497	-0.1410
N 45	13287.	14892.	14892.							
AVE X	0.0939	0.0723	0.0723	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE Y	-0.3318	-0.0046	-0.5783	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723
SIG X	0.6486	0.6438	0.6438	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG Y	0.6410	1.6619	2.0840	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438
RXY	-0.2594	-0.2579	-0.0197	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
				0.1064	0.2273	0.1907	0.0734	-0.0553	0.0928	-0.2160
N 46	13287.	14892.	14892.							
AVE X	-0.1864	-0.1980	-0.1980	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE Y	-0.3318	-0.0046	-0.5783	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980
SIG X	0.6758	0.6740	0.6740	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG Y	0.6410	1.6619	2.0840	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740
RXY	-0.0552	-0.1625	0.1269	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
				0.1244	0.2184	0.0166	0.1650	-0.1147	0.1862	-0.0059
N 47	13287.	14892.	14892.							
AVE X	-0.1192	-0.1293	-0.1293	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE Y	-0.3318	-0.0046	-0.5783	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293
SIG X	0.7988	0.7957	0.7957	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG Y	0.6410	1.6619	2.0840	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957
RXY	-0.1322	-0.1169	0.1865	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
				0.1962	0.4005	0.1602	0.3355	-0.2926	0.3172	-0.0519
N 48	13287.	14892.	14892.							
AVE X	-0.3289	-0.3410	-0.3410	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE Y	-0.3318	-0.0046	-0.5783	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410
SIG X	0.7959	0.8611	0.8611	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG Y	0.6410	1.6619	2.0840	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611
RXY	0.0567	0.0469	0.2955	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
				-0.0465	-0.0092	-0.0048	0.0015	-0.0447	0.1092	0.0455
N 49	13287.	14892.	14892.							
AVE X	-0.6228	-0.6847	-0.6847	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE Y	-0.3318	-0.0046	-0.5783	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847
SIG X	1.3832	1.4016	1.4016	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG Y	0.6410	1.6619	2.0840	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016
RXY	-0.1603	-0.2722	0.4759	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
				0.1247	0.3991	0.2171	0.3195	-0.2459	0.3471	-0.2868

T REGRESSION

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 50	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-1.5377	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	2.6896	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.0786	0.0050	0.2485	0.0429	0.0956	0.0348	0.1164	-0.0819	0.1463	-0.0142
N 51	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-1.1534	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	2.1329	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.0801	-0.0429	0.3509	0.0634	0.1589	0.0451	0.1645	-0.1477	0.2236	-0.0405
N 52	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3723	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.9563	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.0742	-0.0735	0.3943	0.0227	0.1348	0.0328	0.1868	-0.1912	0.2129	-0.1156
N 53	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.5785	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.1275	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.0933	-0.2035	0.4037	0.1325	0.2001	0.1162	0.1826	-0.0956	0.2215	-0.0987
N 54	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.4998	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	1.1477	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.0096	-0.0080	0.3013	0.0085	0.0960	0.0393	0.0866	-0.0732	0.1557	-0.0307
N 55	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.4708	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	2.3193	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.0399	-0.2215	0.4675	0.1628	0.3250	0.0936	0.3143	-0.2977	0.3240	-0.2192
N 56	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.2956	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.9886	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248
SIG Y	0.6410	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.0843	-0.0677	0.1000	0.0154	0.1067	0.0639	0.1278	-0.0339	0.1029	-0.1037

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 57	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1317	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.8768	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751
SIG Y	0.6410	1.6619	2.0845	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.0525	-0.0787	0.4635	0.0742	0.2362	0.0236	0.2835	-0.3545	0.3296	-0.1464
N 58	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1204	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.4108	0.4512	0.4512	0.4512	0.4512	0.4512	0.4512	0.4512	0.4512	0.4512
SIG Y	0.6410	1.6619	2.0845	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	0.0851	-0.0239	0.1735	-0.0701	-0.0524	-0.0504	-0.0288	-0.0065	-0.0075	-0.0466
N 59	13287.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3406	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620
AVE Y	-0.3318	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059
SIG X	0.7118	0.7420	0.7420	0.7420	0.7420	0.7420	0.7420	0.7420	0.7420	0.7420
SIG Y	0.6410	1.6619	2.0845	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841
RXY	-0.2417	-0.2549	0.1665	0.1015	0.2976	0.3167	0.2921	-0.1214	0.2013	-0.2796

GROUP WITHIN SET

X VS. Y		41	42	43	44	45	46	47	48	49	50
N	1	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.
AVE X		1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979
AVE Y		-0.1063	-0.1128	-0.2826	-0.0578	0.1009	-0.1809	-0.1141	-0.3322	-0.6078	-1.5266
SIG X		1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186
SIG Y		1.0105	1.0387	0.7529	0.9229	0.6487	0.6760	0.7993	0.7928	1.3818	2.6772
RXY		0.1134	0.1284	0.0772	0.1337	0.1190	0.0038	0.1005	0.1200	0.2327	0.0384
N	2	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772
AVE Y		-0.1115	-0.1161	-0.2835	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X		2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610
SIG Y		1.0130	1.0403	0.7546	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY		-0.2974	-0.2873	-0.0216	-0.2367	0.0079	-0.0813	-0.1398	0.0599	-0.1070	-0.0214
N	3	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.
AVE X		0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508
AVE Y		-0.1135	-0.1178	-0.2816	-0.0698	0.0945	-0.1796	-0.1185	-0.3321	-0.6178	-1.5425
SIG X		1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254
SIG Y		1.0166	1.0416	0.7568	0.9262	0.6480	0.6739	0.8012	0.7977	1.3855	2.6987
RXY		0.1149	0.1207	0.5773	0.0295	0.1952	0.0853	0.1923	-0.0810	0.3072	-0.0298
N	4	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207
AVE Y		-0.1116	-0.1161	-0.2835	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X		1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906
SIG Y		1.0130	1.0403	0.7546	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY		0.1538	0.1384	0.1158	0.1102	0.0739	0.0070	0.0645	0.0328	0.1281	0.0255
N	5	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.
AVE X		6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380
AVE Y		-0.1042	-0.1126	-0.2794	-0.0610	0.0973	-0.1815	-0.1117	-0.3275	-0.6151	-1.5207
SIG X		4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804
SIG Y		1.0102	1.0390	0.7504	0.9220	0.6500	0.6785	0.7997	0.7964	1.3873	2.6448
RXY		0.0907	0.1003	0.1248	0.0669	0.1069	-0.0418	0.0843	-0.0044	0.0992	0.0111
N	6	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591
AVE Y		-0.1173	-0.1172	-0.2896	-0.0743	0.1064	-0.1923	-0.1274	-0.3309	-0.6260	-1.5460
SIG X		4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503
SIG Y		1.0159	1.0435	0.7562	0.9269	0.6469	0.6698	0.8004	0.8016	1.3901	2.7107
RXY		0.1445	0.1462	0.5978	0.0463	0.2713	0.1042	0.2552	-0.0546	0.4513	-0.0133
N	7	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172
AVE Y		-0.1116	-0.1161	-0.2835	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X		2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350
SIG Y		1.0130	1.0403	0.7546	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY		-0.0244	-0.0159	0.2146	-0.0789	0.1315	0.0160	0.0618	-0.1048	0.1117	-0.1098

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 8	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.
AVE X	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193
AVE Y	-0.0815	-0.0853	-0.2734	-0.0437	0.0946	-0.1781	-0.1113	-0.3178	-0.6081	-1.4662
SIG X	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241
SIG Y	0.9886	1.0183	0.7632	0.9120	0.6514	0.6736	0.8011	0.7627	1.3655	2.4961
RXY	-0.1317	-0.1330	-0.1765	-0.1085	-0.1493	-0.0766	-0.0868	-0.0626	-0.2374	-0.0644
N 9	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.
AVE X	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055
AVE Y	-0.1107	-0.1140	-0.2803	-0.0662	0.0979	-0.1795	-0.1200	-0.3268	-0.6141	-1.5354
SIG X	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864
SIG Y	1.0123	1.0403	0.7556	0.9251	0.6489	0.6741	0.8005	0.7978	1.3864	2.6967
RXY	0.1241	0.1348	0.1708	0.0236	-0.0214	0.1079	0.1238	-0.0406	0.0723	-0.0143
N 10	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676
AVE Y	-0.1009	-0.1053	-0.2778	-0.0592	0.0988	-0.1820	-0.1052	-0.3293	-0.6097	-1.5210
SIG X	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100
SIG Y	1.0025	1.0292	0.7568	0.9201	0.6508	0.6771	0.7928	0.7923	1.3841	2.6621
RXY	-0.0058	0.0154	0.1683	-0.0368	0.0766	0.0706	-0.0112	-0.1114	0.0386	-0.0941
N 11	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249
AVE Y	-0.1116	-0.1161	-0.2835	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244
SIG Y	1.0130	1.0403	0.7546	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	-0.0210	-0.0050	-0.0586	-0.1976	-0.1865	0.0116	-0.0300	-0.1673	-0.3146	-0.0626
N 12	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.
AVE X	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234
AVE Y	-0.1916	-0.1961	-0.3739	-0.1215	0.0984	-0.2478	-0.1922	-0.3409	-0.8039	-1.6029
SIG X	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031
SIG Y	1.0779	1.1148	0.7377	0.9622	0.6664	0.7021	0.8611	0.8290	1.3580	2.8305
RXY	0.1080	0.1146	-0.0203	0.1416	0.1474	0.0275	0.0686	0.0328	0.1389	0.0148
N 13	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.
AVE X	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329
AVE Y	-0.2499	-0.2766	-0.4747	-0.1742	-0.0846	-0.2069	-0.2603	-0.3380	-0.9664	-1.7223
SIG X	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594
SIG Y	1.1247	1.1643	0.6993	1.0107	0.5739	0.6697	0.8756	0.8910	1.4041	3.1520
RXY	0.1232	0.1197	0.0708	0.1032	0.0796	-0.0563	0.1066	-0.0120	0.0883	0.0093
N 14	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.
AVE X	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298
AVE Y	-0.1056	-0.1119	-0.2855	-0.0629	0.0959	-0.1867	-0.1220	-0.3273	-0.6236	-1.5300
SIG X	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275
SIG Y	1.0109	1.0376	0.7521	0.9246	0.6489	0.6758	0.7989	0.7987	1.3854	2.6914
RXY	0.1570	0.1461	0.0003	0.1563	0.0629	0.0892	0.1903	0.1257	0.1820	0.1706

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 15	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.
AVE X	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371
AVE Y	-0.1157	-0.1198	-0.2854	-0.0721	0.0933	-0.1853	-0.1187	-0.3297	-0.6256	-1.5393
SIG X	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778
SIG Y	1.0161	1.0436	0.7514	0.9268	0.6499	0.6771	0.8016	0.7984	1.3877	2.6993
RXY	-0.0043	0.0127	0.3533	-0.0733	0.2112	-0.0100	0.0883	-0.0218	0.3513	-0.0742
N 16	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.
AVE X	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
AVE Y	-0.1147	-0.1184	-0.2838	-0.0698	0.0960	-0.1886	-0.1232	-0.3254	-0.6257	-1.5274
SIG X	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030
SIG Y	1.0153	1.0431	0.7567	0.9260	0.6485	0.6748	0.7988	0.7953	1.3852	2.6755
RXY	0.2741	0.2784	0.1885	0.3388	0.2254	0.0934	0.2176	0.1492	0.5655	0.1285
N 17	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403
AVE Y	-0.1116	-0.1161	-0.2835	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528
SIG Y	1.0130	1.0403	0.7546	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	0.0031	-0.0098	-0.0768	0.0649	-0.0456	-0.0112	0.0231	0.1146	0.1111	0.0502
N 18	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612
AVE Y	-0.1116	-0.1161	-0.2835	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802
SIG Y	1.0130	1.0403	0.7546	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	-0.2256	-0.2236	-0.2410	-0.1704	0.0399	-0.1540	-0.2848	-0.0256	-0.2289	-0.2069
N 19	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880
AVE Y	-0.1116	-0.1161	-0.2835	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149
SIG Y	1.0130	1.0403	0.7546	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	0.1522	0.1323	-0.1002	0.1869	-0.0657	0.0581	0.0777	0.0774	0.0816	0.0931
N 20	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.
AVE X	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355
AVE Y	-0.1141	-0.1189	-0.2864	-0.0568	0.0925	-0.1948	-0.1225	-0.3167	-0.6047	-1.5517
SIG X	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081
SIG Y	1.0152	1.0424	0.7514	0.9206	0.6492	0.6756	0.8022	0.7657	1.3615	2.7047
RXY	0.0715	0.0557	0.4200	0.0173	0.0175	-0.0095	0.1329	-0.0385	0.1834	0.0460
N 21	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.
AVE X	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581
AVE Y	-0.1058	-0.1101	-0.2800	-0.0626	0.0940	-0.1842	-0.1192	-0.3289	-0.6180	-1.5411
SIG X	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887
SIG Y	1.0079	1.0347	0.7563	0.9223	0.6468	0.6734	0.7992	0.7974	1.3821	2.6942
RXY	-0.1375	-0.1121	-0.0553	-0.1575	0.0279	-0.1101	-0.0932	-0.0956	-0.1275	-0.1459

T REGRESSION

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 22	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128
AVE Y	-0.1116	-0.1161	-0.1135	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267
SIG Y	1.0130	1.0403	0.9646	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	-0.0308	-0.0143	0.0252	-0.0708	0.1875	-0.0726	-0.0024	-0.0977	0.1914	-0.1594
N 23	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.
AVE X	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382
AVE Y	-0.1123	-0.1185	-0.1119	-0.0668	0.0927	-0.1860	-0.1191	-0.3294	-0.6252	-1.5388
SIG X	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685
SIG Y	1.0150	1.0418	0.9657	0.9268	0.6492	0.6771	0.8004	0.7974	1.3855	2.6951
RXY	0.8448	0.8310	0.8493	0.8999	0.0941	0.2464	0.5122	0.2971	0.6646	0.4182
N 24	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071
AVE Y	-0.1116	-0.1161	-0.1135	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732
SIG Y	1.0130	1.0403	0.9646	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	-0.1623	-0.1304	0.0229	-0.2575	-0.0231	-0.1171	-0.1059	-0.1258	-0.1508	-0.1334
N 25	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283
AVE Y	-0.1116	-0.1161	-0.1135	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791
SIG Y	1.0130	1.0403	0.9646	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	0.2379	0.2307	0.2487	-0.0061	0.0838	0.1047	0.2675	-0.1114	0.1733	0.0337
N 26	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.
AVE X	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416
AVE Y	-0.1033	-0.1066	-0.1010	-0.0610	0.0985	-0.1808	-0.1113	-0.3334	-0.6143	-1.5138
SIG X	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710
SIG Y	1.0047	1.0318	0.9568	0.9216	0.6498	0.6777	0.7974	0.7920	1.3836	2.6488
RXY	-0.1115	-0.1198	-0.0996	-0.0561	0.0752	-0.0485	-0.0718	0.0016	-0.0488	0.0011
N 27	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381
AVE Y	-0.1116	-0.1161	-0.1135	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732
SIG Y	1.0130	1.0403	0.9646	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	0.1642	0.1609	-0.1454	0.1278	-0.0238	0.0330	0.1765	-0.0085	0.0597	0.0841
N 28	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916
AVE Y	-0.1116	-0.1161	-0.1135	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147
SIG Y	1.0130	1.0403	0.9646	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	-0.2036	-0.2027	-0.1791	-0.1599	0.1176	-0.1726	-0.1749	-0.1108	-0.1206	-0.2252

EDUCATIONAL MODELS PROJECT - ANALYSIS P
T REGRESSION

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 29	13249.	13249.	132	13249.	13249.	13249.	13249.	13249.	13249.	13249.
AVE X	-0.4312	-0.4312	-0.4	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	-0.1096	-0.1138	-0.2	-0.0637	0.0942	-0.1848	-0.1181	-0.3224	-0.6175	-1.5195
SIG X	0.4276	0.4276	0.4	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276
SIG Y	1.0113	1.0382	0.7	0.9234	0.6483	0.6756	0.7979	0.7672	1.3666	2.6330
RXY	-0.0210	-0.0235	-0.0	-0.0419	0.0131	0.0643	0.0020	0.0420	-0.0245	0.0136
N 30	13287.	13287.	132	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0214	-0.0214	-0.0	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214
AVE Y	-0.1116	-0.1161	-0.2	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.9568	0.9568	0.9	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568
SIG Y	1.0139	1.0403	0.7	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	0.1892	0.1637	0.1	0.1865	0.0977	0.0231	0.2035	0.1007	0.3481	0.1049
N 31	13287.	13287.	132	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.3318	-0.3318	-0.3	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318
AVE Y	-0.1116	-0.1161	-0.2	-0.0666	0.0938	-0.1864	-0.1192	-0.3289	-0.6228	-1.5377
SIG X	0.6410	0.6410	0.6	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410
SIG Y	1.0130	1.0403	0.7	0.9250	0.6486	0.6758	0.7988	0.7959	1.3832	2.6896
RXY	0.0515	0.0522	-0.2	0.0496	-0.2594	-0.0552	-0.1322	0.0567	-0.1603	0.0786
N 32	14892.	14892.	148	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0046	-0.0046	-0.0	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046
AVE Y	-0.1018	-0.1023	-0.3	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	1.6619	1.6619	1.6	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619
SIG Y	1.0083	1.0365	0.7	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	-0.0688	-0.0429	-0.0	-0.0651	-0.2579	-0.1625	-0.1169	0.0469	-0.2722	0.0050
N 33	14892.	14892.	148	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.5783	-0.5783	-0.5	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783
AVE Y	-0.1018	-0.1023	-0.3	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	2.0840	2.0840	2.0	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840
SIG Y	1.0083	1.0365	0.7	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.3307	0.3053	-0.0	0.4427	-0.0197	0.1269	0.1865	0.2955	0.4759	0.2485
N 34	14892.	14892.	148	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0168	-0.0168	-0.0	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168
AVE Y	-0.1018	-0.1023	-0.3	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	1.5586	1.5586	1.5	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586
SIG Y	1.0083	1.0365	0.7	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.1025	0.0836	0.1	0.0279	0.1064	0.1244	0.1962	-0.0465	0.1247	0.0429
N 35	14892.	14892.	148	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3355	-0.3355	-0.3	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355
AVE Y	-0.1018	-0.1023	-0.3	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	1.2166	1.2166	1.2	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166
SIG Y	1.0083	1.0365	0.7	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.2847	0.2807	0.2	0.2345	0.2273	0.2184	0.4005	-0.0092	0.3991	0.0956

EDUCATIONAL MODELS PROJECT - ANALYSIS PHASE
T REGRESSION

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 36	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.0718	0.0664	0.7767	-0.0093	0.1907	0.0166	0.1602	-0.0048	0.2171	0.0348
N 37	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.3545	0.3311	0.2710	0.2718	0.0734	0.1650	0.3355	0.0015	0.3195	0.1164
N 38	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	-0.3781	-0.3832	-0.0171	-0.3172	-0.0553	-0.1147	-0.2926	-0.0447	-0.2459	-0.0819
N 39	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.3179	0.3265	0.1088	0.3497	0.0928	0.1862	0.3172	0.1092	0.3471	0.1463
N 40	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	-0.1486	-0.1153	-0.3690	-0.1410	-0.2160	-0.0059	-0.0519	0.0455	-0.2868	-0.0142
N 41	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	1.0000	0.9754	0.1776	0.8205	0.1461	0.2567	0.5888	0.1203	0.5682	0.3422
N 42	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.9754	1.0000	0.1668	0.8165	0.1543	0.2726	0.5879	0.1225	0.5553	0.3326

T REGRESSION

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 43	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.1776	0.1668	1.0000	0.0131	0.2722	0.0764	0.2992	-0.0997	0.3105	0.0308
N 44	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.8205	0.8165	0.0131	1.0000	0.0915	0.2347	0.4755	0.2913	0.6259	0.3739
N 45	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.1461	0.1543	0.2722	0.0915	1.0000	0.0172	0.2175	-0.0074	0.2237	0.0102
N 46	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.2567	0.2726	0.0764	0.2347	0.0172	1.0000	0.3367	-0.0142	0.2046	0.0669
N 47	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3410	-0.6847	-1.5974
SIG X	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8611	1.4016	2.8891
RXY	0.5888	0.5879	0.2992	0.4755	0.2175	0.3367	1.0000	0.0891	0.4753	0.2458
N 48	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3657	-0.3657	-0.3657
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611	0.7957	0.8582	0.8582	0.8582
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.1203	0.1225	-0.0997	0.2913	-0.0074	-0.0142	0.0891	1.0000	0.4710	0.7261
N 49	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.7486	-0.7486	-0.7486
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.3830	1.3830	1.3830
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.5682	0.5553	0.3105	0.6259	0.2237	0.2046	0.4753	0.4710	1.0000	0.4647

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 50	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.6086	-1.6086	-1.6086
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.7901	2.7901	2.7901
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.3422	0.3326	0.0308	0.3739	0.0102	0.0669	0.2458	0.7261	0.4647	1.0000
N 51	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2320	-1.2320	-1.2320
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.1624	2.1624	2.1624
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.4665	0.4559	0.0630	0.5094	0.0272	0.1227	0.3404	0.7194	0.6026	0.9549
N 52	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3774	-0.3774	-0.3774
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0153	1.0153	1.0153
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.5472	0.5389	0.0508	0.6397	0.0986	0.1163	0.3495	0.6602	0.6707	0.7052
N 53	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6751	-0.6751	-0.6751
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1597	1.1597	1.1597
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.2096	0.1919	0.1479	0.2403	0.1110	0.1523	0.2315	0.6857	0.6862	0.5605
N 54	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5388	-0.5388	-0.5388
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2555	1.2555	1.2555
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.2934	0.2908	0.0229	0.3665	0.0424	0.0814	0.2350	0.8157	0.5666	0.8057
N 55	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.4937	-0.4937	-0.4937
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.2631	2.2631	2.2631
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.7664	0.7556	0.2396	0.7534	0.1565	0.3024	0.5792	0.3057	0.8165	0.4613
N 56	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3219	-0.3219	-0.3219
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0339	1.0339	1.0339
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.1988	0.1974	0.0888	0.2407	0.1074	0.0512	0.1555	0.5269	0.3982	0.4894

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 57	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1111	-0.1111	-0.1111
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8499	0.8499	0.8499
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.8869	0.8752	0.0637	0.9179	0.0896	0.2422	0.5390	0.2850	0.6807	0.4524
N 58	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180	-0.1180	-0.1239	-0.1239	-0.1239
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	0.4512	0.4512	0.4512	0.4512	0.4512	0.4512	0.4512	0.4438	0.4438	0.4438
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.0622	0.0601	-0.0815	0.1392	0.0084	-0.0466	0.0484	0.6534	0.3882	0.5414
N 59	14892.	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.
AVE X	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620	-0.3620	-0.3840	-0.3840	-0.3840
AVE Y	-0.1018	-0.1023	-0.3149	-0.0692	0.0723	-0.1980	-0.1293	-0.3657	-0.7486	-1.6086
SIG X	0.7420	0.7420	0.7420	0.7420	0.7420	0.7420	0.7420	0.7312	0.7312	0.7312
SIG Y	1.0083	1.0365	0.7500	0.9268	0.6438	0.6740	0.7957	0.8582	1.3830	2.7901
RXY	0.2772	0.2467	0.4901	0.1939	0.2007	0.1798	0.3358	0.3270	0.6238	0.3970

T REGRESSION

GROUP WITHIN SET

X VS. Y		51	52	53	54	55	56	57	58	59
N	1	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.
AVE X		1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979
AVE Y		-1.1496	-0.3677	-0.5757	-0.5000	-0.4640	-0.2932	-0.1254	-0.1245	-0.3365
SIG X		1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186
SIG Y		2.1186	0.9554	1.1288	1.1483	2.3208	0.9930	0.8732	0.4065	0.7129
RXY		0.0628	0.1603	0.1199	0.1025	0.1671	0.0836	0.1529	0.0808	0.1126
N	2	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772
AVE Y		-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X		2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610
SIG Y		2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY		-0.0606	-0.1440	0.0206	0.0282	-0.2160	-0.0030	-0.2575	0.0548	-0.0689
N	3	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.
AVE X		0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508
AVE Y		-1.1578	-0.3740	-0.5727	-0.4994	-0.4608	-0.2973	-0.1337	-0.1189	-0.3364
SIG X		1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254
SIG Y		2.1374	0.9585	1.1284	1.1509	2.3226	0.9931	0.8786	0.4116	0.7129
RXY		0.0133	0.0244	0.1786	0.0150	0.2112	0.1324	0.0586	-0.1038	0.4416
N	4	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207
AVE Y		-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X		1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906
SIG Y		2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY		0.0383	0.1150	0.0354	0.0238	0.1240	0.0141	0.1994	0.0461	0.0872
N	5	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.
AVE X		6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380
AVE Y		-1.1409	-0.3718	-0.5712	-0.4952	-0.4587	-0.2956	-0.1275	-0.1204	-0.3347
SIG X		4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804
SIG Y		2.1020	0.9555	1.1324	1.1482	2.3136	0.9968	0.8728	0.4127	0.7154
RXY		0.0124	0.0795	-0.0294	0.0608	0.1089	0.1078	0.0737	0.0199	0.0558
N	5	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591
AVE Y		-1.1602	-0.3750	-0.5758	-0.5032	-0.4819	-0.2996	-0.1374	-0.1224	-0.3454
SIG X		4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503
SIG Y		2.1499	0.9619	1.1346	1.1542	2.3268	0.9966	0.8799	0.4126	0.7133
RXY		0.0427	0.0562	0.2498	0.0425	0.3058	0.1053	0.0851	-0.0619	0.5870
N	7	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172
AVE Y		-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X		2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350
SIG Y		2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY		-0.1106	-0.0464	0.0392	-0.0799	0.0239	0.0294	-0.0565	-0.0744	0.1729

GROUP WITHIN SET

X VS. Y		51	52	53	54	55	56	57	58	59
N	8	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.
AVE X		0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193
AVE Y		-1.0977	-0.3468	-0.5753	-0.4754	-0.4275	-0.2876	-0.1073	-0.1145	-0.3289
SIG X		1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241
SIG Y		2.0163	0.9030	1.1037	1.0373	2.2976	0.8611	0.8604	0.3927	0.6937
RXY		-0.1014	-0.0887	-0.1465	-0.0509	-0.1605	0.0005	-0.1363	-0.0271	-0.1742
N	9	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.
AVE X		-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055
AVE Y		-1.1486	-0.3701	-0.5714	-0.4944	-0.4594	-0.2953	-0.1300	-0.1185	-0.3359
SIG X		1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864
SIG Y		2.1385	0.9582	1.1272	1.1501	2.3177	0.9935	0.8762	0.4121	0.7142
RXY		0.0042	-0.0390	0.0639	-0.0352	0.0884	0.0162	0.0343	-0.0603	0.0958
N	10	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676
AVE Y		-1.1400	-0.3645	-0.5691	-0.4976	-0.4473	-0.2938	-0.1254	-0.1221	-0.3322
SIG X		2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100
SIG Y		2.1080	0.9560	1.1269	1.1485	2.3028	0.9939	0.8694	0.4049	0.7146
RXY		-0.1089	-0.0960	-0.0049	-0.0910	-0.0465	0.0575	-0.0826	-0.1007	0.1775
N	11	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249
AVE Y		-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X		1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244
SIG Y		2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY		-0.1377	-0.1752	-0.1766	-0.1135	-0.1589	-0.0217	-0.1789	-0.0422	-0.1064
N	12	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.
AVE X		0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234
AVE Y		-1.2695	-0.4283	-0.6906	-0.5402	-0.7334	-0.3075	-0.1951	-0.1212	-0.4421
SIG X		1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031
SIG Y		2.2084	1.0092	1.1070	1.2303	2.3749	1.0694	0.9118	0.4411	0.7067
RXY		0.0510	0.1124	0.0604	0.0618	0.1781	0.0223	0.1205	0.0174	0.0168
N	13	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.
AVE X		0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329
AVE Y		-1.3299	-0.4865	-0.6444	-0.5519	-0.9117	-0.3414	-0.2471	-0.1227	-0.5219
SIG X		0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594
SIG Y		2.4436	1.0574	1.1796	1.3485	2.5653	1.0911	0.9417	0.4381	0.7148
RXY		0.0757	0.0378	0.0080	0.0408	0.1514	0.1071	0.1194	-0.0135	0.0477
N	14	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.
AVE X		-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298
AVE Y		-1.1464	-0.3689	-0.5780	-0.4983	-0.4636	-0.2973	-0.1285	-0.1184	-0.3417
SIG X		1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275
SIG Y		2.1302	0.9575	1.1327	1.1498	2.3186	0.9932	0.8758	0.4127	0.7125
RXY		0.2110	0.1454	0.1422	0.1746	0.2057	0.0053	0.1700	0.1317	0.1244

T REGRESSION

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 15	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.
AVE X	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371
AVE Y	-1.1556	-0.3746	-0.5749	-0.5007	-0.4746	-0.2967	-0.1356	-0.1197	-0.3403
SIG X	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778
SIG Y	2.1406	0.9595	1.1306	1.1518	2.3258	0.9926	0.8792	0.4119	0.7142
RXY	-0.0236	-0.0525	0.2553	-0.0109	0.1351	0.0523	-0.0553	-0.0470	0.4266
N 16	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.	13200.
AVE X	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
AVE Y	-1.1482	-0.3701	-0.5780	-0.4955	-0.4742	-0.2964	-0.1338	-0.1182	-0.3419
SIG X	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030	1.0030
SIG Y	2.1243	0.9583	1.1266	1.1488	2.3215	0.9916	0.8783	0.4111	0.7134
RXY	0.2069	0.2411	0.3185	0.1856	0.3787	0.1149	0.3398	-0.0034	0.2639
N 17	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403	-0.2403
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528	0.8528
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	0.0635	0.0430	0.1540	0.0685	0.0272	-0.0262	0.0313	0.0991	0.0122
N 18	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	-0.2591	-0.2465	-0.1603	-0.1924	-0.3397	-0.0049	-0.2123	-0.1281	-0.2430
N 19	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880	0.0880
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149	0.9149
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	0.1288	0.2050	0.0377	0.0933	0.2162	0.0853	0.2018	0.0363	-0.0131
N 20	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.	13103.
AVE X	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355	-0.0355
AVE Y	-1.1577	-0.3691	-0.5700	-0.5015	-0.4599	-0.3002	-0.1270	-0.1172	-0.3411
SIG X	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081	1.0081
SIG Y	2.1444	0.9588	1.1262	1.1533	2.3210	0.9943	0.8765	0.4053	0.7149
RXY	0.0619	0.0543	0.1484	0.0366	0.1309	0.0298	0.0460	-0.0507	0.3358
N 21	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.	13225.
AVE X	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581
AVE Y	-1.1530	-0.3673	-0.5771	-0.5000	-0.4614	-0.2971	-0.1277	-0.1210	-0.3389
SIG X	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887	1.0887
SIG Y	2.1367	0.9531	1.1283	1.1496	2.3161	0.9907	0.8739	0.4116	0.7125
RXY	-0.1678	-0.1530	-0.1061	-0.0834	-0.1759	-0.0408	-0.1583	-0.0704	-0.1100

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 22	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	-0.1292	-0.0791	0.1040	-0.0616	0.0405	0.0393	-0.0608	-0.0625	0.2720
N 23	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.	13232.
AVE X	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382	-0.1382
AVE Y	-1.1541	-0.3704	-0.5785	-0.4996	-0.4719	-0.2960	-0.1330	-0.1195	-0.3392
SIG X	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685	1.0685
SIG Y	2.1373	0.9572	1.1300	1.1500	2.3240	0.9906	0.8784	0.4111	0.7130
RXY	0.5593	0.6779	0.2446	0.3984	0.7756	0.2176	0.9251	0.1287	0.2206
N 24	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071	0.4071
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732	1.0732
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	-0.1720	-0.1991	-0.0859	-0.1211	-0.2180	-0.0503	-0.2670	-0.0526	0.0312
N 25	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283	-0.0283
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791	0.9791
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	0.0683	0.0173	0.1383	0.0294	0.2002	0.0650	0.0926	-0.0096	0.3749
N 26	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.	13094.
AVE X	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416	0.7416
AVE Y	-1.1393	-0.3680	-0.5761	-0.4989	-0.4528	-0.2962	-0.1269	-0.1244	-0.3329
SIG X	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710	0.8710
SIG Y	2.1031	0.9567	1.1269	1.1469	2.3046	0.9948	0.8717	0.4059	0.7135
RXY	-0.0025	-0.0538	-0.0538	-0.0031	-0.0677	-0.0018	-0.0756	-0.0059	-0.0851
N 27	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	0.1146	0.0860	-0.0469	0.0694	0.1526	0.0810	0.1404	0.0125	0.0777
N 28	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	-0.2607	-0.2028	-0.1373	-0.1830	-0.2331	0.0079	-0.2003	-0.1291	-0.0586

EDUCATIONAL MODELS PROJECT - ANALYSIS PHASE
T REGRESSION

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 29	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.
AVE X	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	-1.1413	-0.3636	-0.5716	-0.4886	-0.4644	-0.2831	-0.1296	-0.1169	-0.3370
SIG X	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276
SIG Y	2.1005	0.9086	1.1061	1.0770	2.3140	0.8466	0.8754	0.3890	0.6969
RXY	0.0288	-0.0377	0.0259	0.0161	0.0099	0.0313	-0.0286	0.0601	0.0708
N 30	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	0.1457	0.1869	0.2463	0.1355	0.2652	0.0918	0.2272	0.0587	0.2069
N 31	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318	-0.3318
AVE Y	-1.1534	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1317	-0.1204	-0.3406
SIG X	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410	0.6410
SIG Y	2.1329	0.9563	1.1276	1.1477	2.3193	0.9886	0.8768	0.4108	0.7118
RXY	0.0801	0.0742	-0.0933	-0.0096	-0.0399	-0.0843	0.0525	0.0851	-0.2417
N 32	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	-0.0429	-0.0735	-0.2035	-0.0080	-0.2215	-0.0677	-0.0787	-0.0239	-0.2549
N 33	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.3509	0.3943	0.4037	0.3013	0.4675	0.1000	0.4635	0.1735	0.1665
N 34	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.0634	0.0227	0.1325	0.0085	0.1628	0.0151	0.0742	-0.0701	0.1015
N 35	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.1589	0.1348	0.2001	0.0960	0.3253	0.1067	0.2362	-0.0524	0.2976

T REGRESSION

GROUP WITHIN SET

X VS. Y		51	52	53	54	55	56	57	58	59
N	36	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607
AVE Y		-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X		1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
SIG Y		2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY		0.0451	0.0328	0.1162	0.0393	0.0936	0.0639	0.0236	-0.0504	0.3167
N	37	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985
AVE Y		-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X		0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585
SIG Y		2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY		0.1645	0.1868	0.1826	0.0866	0.3143	0.1278	0.2835	-0.0288	0.2921
N	38	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
AVE Y		-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X		0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540
SIG Y		2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY		-0.1477	-0.1912	-0.0956	-0.0732	-0.2977	-0.0339	-0.3545	-0.0065	-0.1214
N	39	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766
AVE Y		-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X		0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640
SIG Y		2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY		0.2236	0.2129	0.2215	0.1557	0.3240	0.1029	0.3296	-0.0075	0.2013
N	40	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059
AVE Y		-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X		0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841
SIG Y		2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY		-0.0405	-0.1156	-0.0987	-0.0307	-0.2192	-0.1037	-0.1464	-0.0466	-0.2796
N	41	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018
AVE Y		-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X		1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083
SIG Y		2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY		0.4665	0.5472	0.2096	0.2934	0.7664	0.1988	0.8869	0.0622	0.2772
N	42	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023	-0.1023
AVE Y		-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X		1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365	1.0365
SIG Y		2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY		0.4559	0.5389	0.1919	0.2908	0.7556	0.1974	0.8752	0.0601	0.2467

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 43	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.0630	0.0508	0.1479	0.0229	0.2396	0.0888	0.0637	-0.0815	0.4901
N 44	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692	-0.0692
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268	0.9268
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.5094	0.6397	0.2493	0.3665	0.7534	0.2407	0.9179	0.1392	0.1939
N 45	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438	0.6438
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.0272	0.0986	0.1110	0.0424	0.1565	0.1074	0.0896	0.0084	0.2037
N 46	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980	-0.1980
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740	0.6740
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.1227	0.1163	0.1523	0.0814	0.3024	0.0512	0.2422	-0.0466	0.1798
N 47	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293
AVE Y	-1.2213	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1343	-0.1180	-0.3620
SIG X	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957
SIG Y	2.2415	1.0323	1.1635	1.2530	2.3281	1.0248	0.8751	0.4512	0.7420
RXY	0.3404	0.3495	0.2315	0.2350	0.5792	0.1555	0.5390	0.3484	0.3358
N 48	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657
AVE Y	-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582
SIG Y	2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY	0.7194	0.6602	0.6857	0.8157	0.3057	0.5269	0.2850	0.6534	0.3270
N 49	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486
AVE Y	-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830
SIG Y	2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY	0.6026	0.6707	0.6862	0.5665	0.8165	0.3982	0.6807	0.3882	0.6236

T REGRESSION

GROUP WITHIN SET

X VS. Y		S1	S2	S3	S4	S5	S6	S7	S8	S9
N	S3	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086
AVE Y		-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X		2.7901	2.7901	2.7901	2.7901	2.7901	2.7901	2.7901	2.7901	2.7901
SIG Y		2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY		0.9549	0.7052	0.5605	0.8057	0.4613	0.4894	0.4524	0.5414	0.3970
N	S1	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320
AVE Y		-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X		2.1624	2.1624	2.1624	2.1624	2.1624	2.1624	2.1624	2.1624	2.1624
SIG Y		2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY		1.0003	0.7514	0.6253	0.7916	0.6375	0.4739	0.5977	0.5216	0.4197
N	S2	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774
AVE Y		-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X		1.0153	1.0153	1.0153	1.0153	1.0153	1.0153	1.0153	1.0153	1.0153
SIG Y		2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY		0.7514	1.0000	0.5568	0.8235	0.6622	0.6274	0.7023	0.6157	0.4677
N	S3	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751
AVE Y		-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X		1.1597	1.1597	1.1597	1.1597	1.1597	1.1597	1.1597	1.1597	1.1597
SIG Y		2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY		0.6253	0.5568	1.0000	0.6844	0.5044	0.4066	0.2850	0.5277	0.5299
N	S4	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388
AVE Y		-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X		1.2555	1.2555	1.2555	1.2555	1.2555	1.2555	1.2555	1.2555	1.2555
SIG Y		2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY		0.7916	0.8235	0.6844	1.0000	0.4585	0.6466	0.4254	0.7353	0.5209
N	S5	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937
AVE Y		-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X		2.2631	2.2631	2.2631	2.2631	2.2631	2.2631	2.2631	2.2631	2.2631
SIG Y		2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY		0.6375	0.6622	0.5044	0.4585	1.0000	0.2804	0.8427	0.2504	0.4635
N	S6	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219
AVE Y		-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X		1.0339	1.0339	1.0339	1.0339	1.0339	1.0339	1.0339	1.0339	1.0339
SIG Y		2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY		0.4739	0.6274	0.4066	0.6466	0.2804	1.0000	0.2684	0.5247	0.4058

T REGRESSION

GROUP WITHIN SET

X VS. Y	S1	S2	S3	S4	S5	S6	S7	S8	S9
N 57	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111
AVE Y	-1.2323	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499
SIG Y	2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY	0.5977	0.7023	0.2853	0.4254	0.8427	0.2684	1.0000	0.1969	0.2778
N 58	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.1239	-0.1239	-0.1239	-0.1239	-0.1239	-0.1239	-0.1239	-0.1239	-0.1239
AVE Y	-1.2323	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X	0.4438	0.4438	0.4438	0.4438	0.4438	0.4438	0.4438	0.4438	0.4438
SIG Y	2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY	0.5216	0.6157	0.5277	0.7353	0.2504	0.5247	0.1969	1.0000	0.3726
N 59	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.3840	-0.3840	-0.3840	-0.3840	-0.3840	-0.3840	-0.3840	-0.3840	-0.3840
AVE Y	-1.2320	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1111	-0.1239	-0.3840
SIG X	0.7312	0.7312	0.7312	0.7312	0.7312	0.7312	0.7312	0.7312	0.7312
SIG Y	2.1624	1.0153	1.1597	1.2555	2.2631	1.0339	0.8499	0.4438	0.7312
RXY	0.4197	0.4677	0.5299	0.5209	0.4635	0.4058	0.2778	0.3726	1.0000

APPENDIX B

The Correlations of Variables Not Included in the Analyses With the Student Body and School Variables

Presented herein are the correlations of 43 variables from Appendix A with 16 variables not included in the original analyses due to limitations of the correlation and regression programs to 59 variables.

Of the 43 variables taken from Appendix A, 39 were used in calculating the regressions. The list of these 39 variables is given on pages 5 through 7 in the main body of the text.

The question is whether or not these 16 variables not included in the original analyses contribute any new variance to the analyses. The squared multiple correlation for the 39 school and student body variables used in calculating the regressions is .8662 (see Table 10). The squared multiple correlation obtained when these 16 variables, in addition to the 39 are entered into the regression (a total of 55 variables) is .8794 or an increase of about one percent. Consequently those 16 variables do not contribute any essentially new variance to the analysis.

The correlations of the 43 variables from Appendix A with the 16 new variables (59 in all) are given below for the use of other research personnel who might have an interest in them. When variables have been described in detail earlier only their names are given.

List of Variables

Variable Number	Title
1	Physical Plant and Facilities
2	Principal's Experience
3	Principal's Training
4	Principal's College Attended
5	Instructional Facilities
6	Special Staff and Services
7	Tracking
8	Testing
9	Transfers
10	Percent of Students in Remedial Reading and Math
11	Free Lunch and Milk Programs
12	State and Regional Accreditation
13	Age of Texts
14	Availability of Texts
15	School has a Free Nursery
16	Compulsory School Attendance Law is Enforced
17	Rural-Urban Location of School
18	Length of School Day
19	Lowest Grade in Which Students Take Courses from Different Teachers
20	Percent of Students that Attend Part Time
21	Many Pupils Per Teacher

continued--

Variable Number	Title
22	Pupil Assignment Practices - scored high if all students in a particular geographic area attend the school with few or no transfers, scored low for the other policies
23	Number of Students Enrolled in the School
24	Percent of Students in Daily Attendance
25	Slow Learner Promotion Policy - scored high if the student is promoted with his age group, zero otherwise
26	Age of Building
27	Many Pupils Per Room
28	Principal's Sex
29	Principal's Course Credits Beyond His Highest Degree Held
30	Principal's Estimate of the School's Reputation
31	Teachers' Experience
32	Teaching Conditions
33	Teachers' Localism
34	Teachers' Socio-Economic Background
35	Teachers' Training
36	Teachers' College Attended
37	Teaching Related Activities
38	Teachers' Preference for High Ability Students
39	Teachers' Sex (high proportion of female teachers)
40	Teachers' Racial-Ethnic Group Membership

continued--

Variable Number	Title
41	Teachers' Course Credits Beyond Highest Degree
42	Teachers' Assignment to Present School - scored high if the teacher asked to work in the school, low if he was placed there
43	Number of NSF, NDEA, ESEA, etc. sponsored summer institutes attended
44	Teachers' Salary Level
45	Teachers' Honor Society Membership - scored high for membership in Phi Beta Kappa or Kappa Delta Pi, low otherwise
46	Teachers' Vocabulary Score
47	Student Body's Expectations for Excellence
48	Student Body's Socio-Economic Status
49	Student Body's Social Confidence
50	Student Body's Attitude Toward Life
51	Student Body's Family Structure and Stability
52	Student Body's Educational Plans and Desires
53	Student Body's Study Habits
54	Student Body's Achievement Level
55	High Proportion of Girls in the Student Body
56	Student Body's Age
57	Student Body's Racial-Ethnic Composition
58	Many Students' Parents Speak a Foreign Language
59	Many Students Speak a Foreign Language

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	1	13064.	13064.	12934.	13064.	12825.	12831.	13064.	12538.	12907.	12885.
AVE X		1.4979	1.4979	1.4986	1.4979	1.5025	1.5081	1.4979	1.4907	1.5107	1.5012
AVE Y		1.4979	0.0617	0.4564	0.1159	6.3354	1.8847	0.5164	0.2247	-0.3045	0.5731
SIG X		1.9186	1.9186	1.9211	1.9186	1.9335	1.9260	1.9186	1.9057	1.9163	1.9258
SIG Y		1.9186	2.2476	1.3309	1.2931	4.2619	4.2934	2.6298	1.8342	1.2932	2.0174
RXY		1.0000	-0.0218	0.1340	0.0349	0.3832	0.2762	0.1704	0.0463	0.0200	-0.0006
N	2	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.0617	0.0772	0.0892	0.0772	0.0760	0.0878	0.0772	0.0165	0.0766	0.0221
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.2476	2.2610	2.2607	2.2610	2.2758	2.2710	2.2610	2.2234	2.2595	2.2040
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0218	1.0000	0.0452	-0.0591	0.0224	0.0463	0.0695	0.0160	-0.1451	-0.0133
N	3	12934.	13157.	13157.	13157.	12912.	12925.	13157.	12634.	12985.	12928.
AVE X		0.4564	0.4508	0.4508	0.4508	0.4300	0.4583	0.4508	0.4622	0.4567	0.4633
AVE Y		1.4986	0.0892	0.4508	0.1161	6.3647	1.8912	0.5289	0.2249	-0.3077	0.5658
SIG X		1.3309	1.3254	1.3254	1.3254	1.2945	1.3324	1.3254	1.3361	1.3321	1.3300
SIG Y		1.9211	2.2607	1.3254	1.2917	4.2656	4.3482	2.6338	1.8190	1.2881	2.0091
RXY		0.1340	0.0452	1.0000	0.1389	0.2327	0.6496	0.2359	-0.2180	0.2285	0.2380
N	4	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.1159	0.1207	0.1161	0.1207	0.1185	0.1112	0.1207	0.1359	0.1285	0.1209
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.2931	1.2906	1.2917	1.2906	1.2982	1.2970	1.2906	1.2949	1.2882	1.2952
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0349	-0.0591	0.1389	1.0000	0.0682	0.0687	-0.0177	0.0528	0.1096	0.0126
N	5	12825.	13032.	12912.	13032.	13032.	12803.	13032.	12494.	12876.	12803.
AVE X		6.3354	6.3380	6.3647	6.3380	6.3380	6.2932	6.3380	6.2895	6.3703	6.3418
AVE Y		1.5025	0.0760	0.4300	0.1185	6.3380	1.8502	0.5343	0.2326	-0.3302	0.5620
SIG X		4.2619	4.2804	4.2656	4.2804	4.2804	4.2953	4.2804	4.2499	4.2345	4.2843
SIG Y		1.9335	2.2758	1.2945	1.2982	4.2804	4.3347	2.6438	1.8344	1.2339	2.0122
RXY		0.3832	0.0224	0.2327	0.0682	1.0000	0.3055	0.1925	0.2436	-0.0039	-0.0011
N	6	12831.	13054.	12925.	13054.	12803.	13054.	13054.	12501.	12882.	12822.
AVE X		1.8847	1.8591	1.8912	1.8591	1.8502	1.8591	1.8591	1.7453	1.8625	1.9066
AVE Y		1.5081	0.0878	0.4583	0.1112	6.2932	1.8591	0.5388	0.1980	-0.3018	0.5834
SIG X		4.2934	4.3503	4.3482	4.3503	4.3347	4.3503	4.3503	4.2963	4.3490	4.3349
SIG Y		1.9260	2.2710	1.3324	1.2970	4.2953	4.3503	2.6413	1.8223	1.2938	2.0170
RXY		0.2762	0.0463	0.6496	0.0687	0.3055	1.0000	0.3711	-0.2861	0.2290	0.3196
N	7	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.5164	0.5172	0.5289	0.5172	0.5343	0.5388	0.5172	0.4605	0.5223	0.5484
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.6298	2.6350	2.6338	2.6350	2.6438	2.6413	2.6350	2.6202	2.6255	2.6330
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2854	2.0100
RXY		0.1704	0.0695	0.2359	-0.0177	0.1925	0.3711	1.0000	-0.1153	-0.0089	0.3766

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	8	12538.	12733.	12634.	12733.	12494.	12501.	12733.	12733.	12578.	12507.
AVE X		0.2247	0.2193	0.2249	0.2193	0.2326	0.1980	0.2193	0.2193	0.2147	0.2227
AVE Y		1.4907	0.0165	0.4622	0.1359	6.2895	1.7453	0.4605	0.2193	-0.2946	0.5767
SIG X		1.8342	1.8241	1.8190	1.8241	1.8344	1.8223	1.8241	1.8241	1.8205	1.8212
SIG Y		1.9057	2.2234	1.3361	1.2949	4.2499	4.2963	2.6202	1.8241	1.3022	2.0189
RXY		0.0463	0.0160	-0.2180	0.0528	0.2436	-0.2861	-0.1153	1.0000	-0.0621	-0.1034
N	9	12907.	13115.	12985.	13115.	12876.	12882.	13115.	12578.	13115.	12882.
AVE X		-0.3045	-0.3055	-0.3077	-0.3055	-0.3302	-0.3018	-0.3055	-0.2946	-0.3055	-0.2929
AVE Y		1.5107	0.0766	0.4567	0.1285	6.3703	1.8625	0.5223	0.2147	-0.3055	0.5635
SIG X		1.2932	1.2864	1.2881	1.2864	1.2339	1.2938	1.2864	1.3022	1.2864	1.2929
SIG Y		1.9163	2.2595	1.3321	1.2882	4.2345	4.3490	2.6255	1.8206	1.2864	2.0089
RXY		0.0200	-0.1451	0.2285	0.1096	-0.0039	0.2290	-0.0089	-0.0621	1.0000	0.1655
N	10	12885.	13054.	12928.	13054.	12803.	12822.	13054.	12507.	12882.	13054.
AVE X		0.5731	0.5676	0.5658	0.5676	0.5620	0.5834	0.5676	0.5767	0.5635	0.5676
AVE Y		1.5012	0.0221	0.4633	0.1209	6.3418	1.9066	0.5484	0.2227	-0.2929	0.5676
SIG X		2.0174	2.0100	2.0091	2.0100	2.0122	2.0170	2.0100	2.0189	2.0089	2.0100
SIG Y		1.9258	2.2040	1.3300	1.2952	4.2843	4.3349	2.6330	1.8212	1.2929	2.0100
RXY		-0.0066	-0.0133	0.2380	0.0126	-0.0011	0.3196	0.3766	-0.1034	0.1655	1.0000
N	11	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.1176	0.1249	0.1216	0.1249	0.1201	0.1214	0.1249	0.1362	0.1266	0.1258
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.5007	1.5244	1.5286	1.5244	1.5215	1.5310	1.5244	1.5408	1.5329	1.5333
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0437	-0.0818	-0.0872	-0.0206	0.0301	-0.1614	-0.0520	0.1654	0.1784	0.0512
N	12	10224.	10418.	10289.	10418.	10240.	10186.	10418.	9905.	10318.	10191.
AVE X		0.1271	0.1234	0.1210	0.1234	0.1313	0.1155	0.1234	0.1129	0.1384	0.1411
AVE Y		1.5364	0.0648	0.3158	0.1053	6.8768	1.3237	0.5123	0.4866	-0.4090	0.5203
SIG X		1.2060	1.2031	1.2012	1.2031	1.1837	1.2092	1.2031	1.2114	1.1815	1.1960
SIG Y		1.9549	2.3206	1.2817	1.2845	4.2716	4.3470	2.6840	1.8338	1.1872	2.0625
RXY		0.0001	-0.0195	-0.0327	0.1151	0.2383	0.0157	0.0086	0.1429	-0.0036	-0.0921
N	13	6522.	6688.	6607.	6688.	6509.	6550.	6688.	6262.	6547.	6455.
AVE X		0.0988	0.1329	0.1362	0.1329	0.1266	0.1160	0.1329	0.1078	0.1340	0.1124
AVE Y		1.3651	0.2730	0.2251	-0.0593	6.5305	0.4711	0.0309	0.7890	-0.4515	0.2814
SIG X		0.9030	0.9594	0.9627	0.9594	0.9664	0.9570	0.9594	0.9469	0.9662	0.9353
SIG Y		2.0342	2.4580	1.2438	1.2534	4.5674	4.4033	2.7383	1.7993	1.1185	1.8431
RXY		0.0488	0.0400	0.0212	0.0753	0.0873	0.0667	-0.0380	0.0051	-0.0928	0.0916
N	14	12910.	13133.	13003.	13133.	12878.	12900.	13133.	12656.	12978.	12900.
AVE X		-0.0331	-0.0298	-0.0259	-0.0298	-0.0174	-0.0296	-0.0298	-0.0363	-0.0288	-0.0344
AVE Y		1.4818	0.0725	0.4528	0.1367	6.3451	1.8425	0.4885	0.2193	-0.2999	0.5481
SIG X		1.2253	1.2275	1.2300	1.2275	1.2035	1.2322	1.2275	1.2233	1.2302	1.2293
SIG Y		1.9150	2.2639	1.3253	1.2880	4.2824	4.3586	2.6246	1.8281	1.2903	1.9799
RXY		0.0543	0.0761	0.0319	-0.0755	0.1623	0.1006	-0.0395	-0.0576	-0.0171	-0.0746

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 15	4273.	4387.	4305.	4387.	4284.	4375.	4387.	4335.	4324.	4172.
AVE X	-0.0123	-0.0089	-0.0067	-0.0089	-0.0061	-0.0085	-0.0089	-0.0075	-0.0072	-0.0030
AVE Y	1.1124	0.0831	-0.1900	0.0686	5.0723	-1.0102	-0.3809	1.0310	-0.4271	0.1817
SIG X	1.0316	1.0379	1.0477	1.0379	1.0503	1.0394	1.0379	1.0441	1.0455	1.0640
SIG Y	2.2294	2.5094	1.2786	1.2830	4.7991	3.6358	2.7423	1.8706	1.1663	1.9988
RXY	-0.0374	-0.0439	0.1451	-0.1540	-0.0120	0.0701	0.0556	0.1205	0.0561	0.0238
N 16	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.2130	-0.2170	-0.2119	-0.2170	-0.2125	-0.2274	-0.2170	-0.2083	-0.2181	-0.2055
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	1.1081	1.1056	1.1025	1.1056	1.0968	1.1106	1.1056	1.1054	1.1064	1.0980
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0641	-0.1180	0.2130	0.0599	-0.0122	0.3006	0.0468	-0.0979	0.0683	0.0260
N 17	12954.	13177.	13075.	13177.	12923.	12945.	13177.	12651.	13005.	12945.
AVE X	-0.0345	-0.0371	-0.0332	-0.0371	-0.0491	-0.0288	-0.0371	-0.0686	-0.0294	-0.0315
AVE Y	1.4969	0.0767	0.4485	0.1114	6.3348	1.8430	0.5273	0.2236	-0.3035	0.5679
SIG X	0.9733	0.9778	0.9771	0.9778	0.9692	0.9816	0.9778	0.9646	0.9764	0.9757
SIG Y	1.9256	2.2607	1.3231	1.2875	4.2844	4.3552	2.6355	1.8272	1.2898	2.0016
RXY	0.0372	0.0781	0.4422	0.0220	-0.0110	0.6250	0.2099	-0.3156	0.2016	0.2765
N 18	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	0.4638	0.4676	0.4699	0.4676	0.4765	0.4649	0.4676	0.4618	0.4734	0.4655
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.8473	0.8427	0.8398	0.8427	0.8418	0.8473	0.8427	0.8427	0.8400	0.8458
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1427	-0.0500	-0.1835	0.0095	0.0729	-0.1106	-0.1201	0.1642	-0.0728	-0.1065
N 19	12845.	13068.	12972.	13068.	12814.	12836.	13068.	12542.	12896.	12841.
AVE X	0.8337	0.8369	0.8387	0.8369	0.8381	0.8336	0.8369	0.8320	0.8416	0.8416
AVE Y	1.4860	0.0615	0.4363	0.1041	6.3088	1.7983	0.5098	0.2317	-0.3022	0.5622
SIG X	0.3233	0.3229	0.3214	0.3229	0.3230	0.3227	0.3229	0.3253	0.3023	0.3088
SIG Y	1.9243	2.2673	1.3209	1.2884	4.2869	4.3361	2.6404	1.8189	1.2908	2.0153
RXY	0.1000	0.0178	0.0229	0.0278	0.3887	0.1001	0.0194	0.0306	0.0096	-0.0117
N 20	13004.	13227.	13097.	13227.	12972.	12994.	13227.	12674.	13055.	12994.
AVE X	0.0549	0.0519	0.0544	0.0519	0.0548	0.0549	0.0519	0.0400	0.0541	0.0521
AVE Y	1.5002	0.0827	0.4380	0.1209	6.3229	1.8403	0.5206	0.2189	-0.3102	0.5726
SIG X	1.0685	1.0599	1.0648	1.0599	1.0698	1.0688	1.0599	1.0531	1.0665	1.0623
SIG Y	1.9221	2.2580	1.3130	1.2934	4.2845	4.3471	2.6405	1.8282	1.2871	2.0132
RXY	0.0353	0.0538	-0.0665	-0.1050	-0.0156	-0.0863	0.0249	0.0261	-0.0763	0.0916
N 21	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.4544	-0.4612	-0.4614	-0.4612	-0.4649	-0.4568	-0.4612	-0.4715	-0.4655	-0.4656
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.8741	0.8802	0.8805	0.8802	0.8785	0.8827	0.8802	0.8706	0.8828	0.8683
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	-0.1009	0.0992	-0.2003	-0.0325	-0.1977	-0.1683	0.0024	0.0334	-0.0485	0.0257

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	22	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.1547	-0.1592	-0.1534	-0.1592	-0.1577	-0.1555	-0.1592	-0.1617	-0.1537	-0.1639
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9600	0.9584	0.9604	0.9584	0.9590	0.9598	0.9584	0.9576	0.9604	0.9568
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0660	-0.0207	0.2358	0.0638	-0.1425	0.2713	0.0114	-0.1723	0.0191	-0.0061
N	23	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.5128	0.5128	0.5197	0.5128	0.4948	0.5163	0.5128	0.4701	0.5141	0.5132
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.2117	1.2267	1.2290	1.2267	1.2166	1.2311	1.2267	1.1867	1.2330	1.2135
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.2176	0.1274	0.4898	0.0435	0.3211	0.6863	0.2758	-0.2068	0.1608	0.2162
N	24	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.2935	-0.2987	-0.2977	-0.2987	-0.2761	-0.2943	-0.2987	-0.2731	-0.3002	-0.2923
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.0550	1.0555	1.0547	1.0555	1.0487	1.0565	1.0555	1.0542	1.0572	1.0475
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1258	-0.0957	-0.0456	-0.0212	-0.0401	-0.0539	-0.0738	-0.0789	-0.0911	-0.0810
N	25	13050.	13259.	13129.	13259.	13004.	13040.	13259.	12705.	13086.	13026.
AVE X		-0.2375	-0.2471	-0.2487	-0.2471	-0.2371	-0.2371	-0.2471	-0.2266	-0.2487	-0.2485
AVE Y		1.4972	0.0804	0.4532	0.1207	6.3340	1.8626	0.5113	0.2185	-0.3066	0.5679
SIG X		0.9377	0.9339	0.9332	0.9339	0.9379	0.9379	0.9339	0.9420	0.9333	0.9333
SIG Y		1.9195	2.2617	1.3253	1.2920	4.2841	4.3513	2.6344	1.8260	1.2872	2.0117
RXY		0.0889	-0.0522	0.0969	-0.0286	-0.1090	0.0686	-0.0158	-0.1041	0.0543	-0.0048
N	26	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0363	-0.0381	-0.0461	-0.0381	-0.0267	-0.0421	-0.0381	-0.0437	-0.0281	-0.0371
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9742	0.9732	0.9725	0.9732	0.9733	0.9718	0.9732	0.9720	0.9732	0.9756
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0077	-0.0371	-0.0829	-0.1278	-0.0169	0.0135	-0.0207	-0.0060	-0.0700	-0.0266
N	27	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0879	-0.0916	-0.0928	-0.0916	-0.0932	-0.0931	-0.0916	-0.0969	-0.0942	-0.0921
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.5106	0.5147	0.5112	0.5147	0.5155	0.5165	0.5147	0.5123	0.5164	0.5104
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0270	0.0280	-0.0003	0.0721	-0.0145	0.1069	0.0967	-0.0012	0.0290	0.0727
N	28	13038.	13249.	13122.	13249.	12997.	13016.	13249.	12701.	13076.	13019.
AVE X		-0.4330	-0.4312	-0.4325	-0.4312	-0.4339	-0.4298	-0.4312	-0.4279	-0.4347	-0.4377
AVE Y		1.5015	0.0765	0.4486	0.1220	6.3362	1.8516	0.5049	0.2190	-0.3050	0.5679
SIG X		0.4228	0.4276	0.4239	0.4276	0.4203	0.4313	0.4276	0.4364	0.4180	0.4095
SIG Y		1.9107	2.2634	1.3234	1.2914	4.2765	4.3462	2.6279	1.8260	1.2879	2.0108
RXY		-0.0582	0.1082	-0.1020	-0.0041	-0.0799	0.0207	-0.0251	0.0453	-0.0141	-0.0132

EDUCATIONAL MODELS PROJECT - ANALYSIS PHASE
NINTH GR REGR.

GR'9 REGR. RG. 1'7 12'12'67

GROUP WITHIN SET

X VS. Y		1	2	3	4	5	6	7	8	9	10
N	29	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.1690	0.1686	0.1755	0.1686	0.1733	0.1738	0.1686	0.1714	0.1593	0.1603
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.0264	1.0227	1.0239	1.0227	1.0268	1.0200	1.0227	1.0274	1.0192	1.0232
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0438	0.1450	0.1952	0.0494	0.1294	0.2543	0.1401	0.0150	0.0076	0.0976
N	30	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0185	-0.0214	-0.0100	-0.0214	-0.0028	-0.0225	-0.0214	-0.0275	-0.0256	-0.0225
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		0.9541	0.9568	0.9530	0.9568	0.9456	0.9561	0.9568	0.9487	0.9566	0.9586
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1538	0.0849	0.1446	0.1075	0.1486	0.2421	0.1271	-0.0460	-0.0303	0.0509
N	31	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.0881	-0.0751	-0.0849	-0.0751	-0.0812	-0.0723	-0.0751	-0.0693	-0.0719	-0.0996
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.6931	1.6469	1.6451	1.6469	1.6453	1.6331	1.6469	1.6319	1.6467	1.6353
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		-0.0668	0.1278	-0.2027	-0.0975	-0.0980	-0.3773	-0.1929	0.1649	-0.1759	-0.1975
N	32	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.5682	-0.5828	-0.5624	-0.5828	-0.5704	-0.5902	-0.5828	-0.5304	-0.5799	-0.5879
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		2.1295	2.1202	2.1153	2.1202	2.1262	2.1298	2.1202	2.1094	2.1165	2.1288
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.1105	-0.0961	0.0193	0.0577	-0.0507	-0.0775	-0.0666	-0.0218	-0.0954	-0.0465
N	33	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		0.0132	0.0189	0.0195	0.0189	0.0166	0.0053	0.0189	0.0138	0.0244	0.0104
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.5631	1.5717	1.5743	1.5717	1.5842	1.5630	1.5717	1.5744	1.5748	1.5714
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0311	-0.1509	0.0776	0.0584	-0.0175	0.0843	0.0558	-0.0904	0.2023	0.0148
N	34	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.2708	-0.2837	-0.2809	-0.2837	-0.2740	-0.2856	-0.2837	-0.2796	-0.2828	-0.2644
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.2183	1.2179	1.2198	1.2179	1.2184	1.1913	1.2179	1.2250	1.2233	1.2162
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0984	-0.1291	0.3118	0.1356	0.0938	0.3763	0.1286	-0.1195	0.1400	0.1694
N	35	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X		-0.3085	-0.3109	-0.3127	-0.3109	-0.2997	-0.3226	-0.3109	-0.2940	-0.3085	-0.3011
AVE Y		1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X		1.0893	1.0906	1.0929	1.0906	1.0775	1.0784	1.0906	1.0965	1.0936	1.0949
SIG Y		1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY		0.0224	0.0354	0.4214	0.0564	0.0213	0.3909	0.1499	-0.1523	0.0715	0.1257

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 36	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1629	-0.1657	-0.1607	-0.1657	-0.1660	-0.1825	-0.1657	-0.1497	-0.1616	-0.1592
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.9549	0.9491	0.9451	0.9491	0.9501	0.9391	0.9491	0.9328	0.9504	0.9525
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0398	-0.1143	0.2177	0.1715	0.0436	0.2417	0.0820	-0.0980	0.1715	0.0947
N 37	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	0.0083	0.0100	0.0129	0.0100	0.0138	0.0012	0.0100	0.0147	0.0068	0.0022
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7741	0.7695	0.7678	0.7695	0.7724	0.7677	0.7695	0.7706	0.7713	0.7688
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	-0.0250	0.0816	-0.0287	-0.1208	0.0846	-0.1099	-0.0514	0.1224	-0.0542	-0.0920
N 38	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.2541	-0.2622	-0.2669	-0.2622	-0.2578	-0.2546	-0.2622	-0.2606	-0.2640	-0.2559
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7486	0.7505	0.7484	0.7505	0.7541	0.7451	0.7505	0.7361	0.7487	0.7543
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1451	-0.0838	0.2118	0.0771	0.0350	0.1757	0.0305	-0.1432	0.0490	0.1251
N 39	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.4317	-0.4295	-0.4347	-0.4295	-0.4321	-0.4116	-0.4295	-0.4269	-0.4248	-0.4386
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7687	0.7656	0.7655	0.7656	0.7705	0.7501	0.7656	0.7646	0.7612	0.7676
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	-0.0796	0.1044	-0.2817	-0.1199	-0.1406	-0.4404	-0.1785	0.1816	-0.0971	-0.1959
N 40	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1060	-0.1116	-0.1135	-0.1116	-0.1042	-0.1173	-0.1116	-0.0815	-0.1107	-0.1009
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	1.0106	1.0130	1.0146	1.0130	1.0102	1.0159	1.0130	0.9886	1.0123	1.0026
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1134	-0.2974	0.1149	0.1530	0.0907	0.1445	-0.0244	-0.1317	0.1241	-0.0058
N 41	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.0359	-0.0380	-0.0401	-0.0380	-0.0349	-0.0415	-0.0380	-0.0356	-0.0367	-0.0407
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.6334	0.6318	0.6286	0.6318	0.6343	0.6236	0.6318	0.6411	0.6326	0.6332
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1351	0.0036	0.4011	0.0492	0.1278	0.4311	0.2240	-0.1181	0.0949	0.1729
N 42	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	0.3080	0.3063	0.3068	0.3063	0.3037	0.2989	0.3063	0.3212	0.3047	0.3015
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.6280	0.6306	0.6289	0.6306	0.6292	0.6299	0.6306	0.6260	0.6284	0.6301
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	-0.0226	-0.1830	-0.2580	0.0329	0.0542	-0.2333	-0.1630	0.0884	-0.0381	-0.1234

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 43	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	0.1139	0.1100	0.1074	0.1100	0.1135	0.1094	0.1100	0.1044	0.1125	0.1129
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.6955	0.6908	0.6897	0.6908	0.6966	0.6937	0.6908	0.6925	0.6943	0.6957
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0180	0.0479	0.1179	0.0237	-0.0307	0.0582	0.1036	-0.0466	-0.0377	0.0741
N 44	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.2820	-0.2835	-0.2816	-0.2835	-0.2794	-0.2896	-0.2835	-0.2734	-0.2803	-0.2778
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7529	0.7546	0.7568	0.7546	0.7504	0.7562	0.7546	0.7632	0.7556	0.7568
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0772	-0.0216	0.5773	0.1158	0.1248	0.5978	0.2146	-0.1765	0.1708	0.1683
N 45	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	0.0573	0.0525	0.0529	0.0525	0.0556	0.0452	0.0525	0.0615	0.0558	0.0567
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.6015	0.5988	0.5974	0.5988	0.6018	0.5833	0.5988	0.6062	0.6010	0.6012
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0057	-0.0639	0.0577	-0.0920	0.0430	0.0266	0.0271	0.0103	0.0740	0.0531
N 46	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1141	-0.1192	-0.1185	-0.1192	-0.1117	-0.1274	-0.1192	-0.1113	-0.1200	-0.1052
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7993	0.7988	0.8012	0.7988	0.7997	0.8004	0.7988	0.8011	0.8005	0.7928
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1005	-0.1398	0.1923	0.0645	0.0843	0.2552	0.0618	-0.0868	0.1238	-0.0112
N 47	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.3322	-0.3289	-0.3321	-0.3289	-0.3275	-0.3309	-0.3289	-0.3178	-0.3268	-0.3293
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.7928	0.7959	0.7977	0.7959	0.7964	0.8016	0.7959	0.7627	0.7978	0.7923
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1200	0.0599	-0.0810	0.0328	-0.0044	-0.0546	-0.1048	-0.0626	-0.0406	-0.1114
N 48	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.6078	-0.6228	-0.6178	-0.6228	-0.6151	-0.6260	-0.6228	-0.6081	-0.6141	-0.6097
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	1.3818	1.3832	1.3855	1.3832	1.3873	1.3901	1.3832	1.3655	1.3864	1.3841
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.2327	-0.1070	0.3072	0.1281	0.0992	0.4513	0.1117	-0.2374	0.0723	0.0386
N 49	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-1.5266	-1.5377	-1.5425	-1.5377	-1.5207	-1.5460	-1.5377	-1.4662	-1.5354	-1.5210
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	2.6772	2.6896	2.6987	2.6896	2.6448	2.7107	2.6895	2.4961	2.6967	2.6621
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0384	-0.0214	-0.0298	0.0255	0.0111	-0.0133	-0.1098	-0.0644	-0.0143	-0.0941

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 50	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-1.1496	-1.1534	-1.1578	-1.1534	-1.1409	-1.1602	-1.1534	-1.0977	-1.1486	-1.1400
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	2.1186	2.1329	2.1374	2.1329	2.1020	2.1490	2.1329	2.0163	2.1385	2.1080
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0628	-0.0606	0.0133	0.0383	0.0124	0.0427	-0.1106	-0.1014	0.0042	-0.1089
N 51	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.3677	-0.3723	-0.3740	-0.3723	-0.3718	-0.3750	-0.3723	-0.3468	-0.3701	-0.3645
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.9554	0.9563	0.9585	0.9563	0.9555	0.9619	0.9563	0.9030	0.9582	0.9540
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1603	-0.1440	0.0244	0.1150	0.0795	0.0562	-0.0464	-0.0887	-0.0390	-0.0960
N 52	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.5757	-0.5785	-0.5727	-0.5785	-0.5712	-0.5758	-0.5785	-0.5753	-0.5714	-0.5691
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	1.1288	1.1276	1.1284	1.1276	1.1326	1.1346	1.1276	1.1037	1.1272	1.1269
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1199	0.0206	0.1786	0.0354	-0.0294	0.2498	0.0392	-0.1465	0.0639	-0.0049
N 53	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.5000	-0.4998	-0.4994	-0.4998	-0.4952	-0.5032	-0.4998	-0.4754	-0.4944	-0.4976
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	1.1483	1.1477	1.1509	1.1477	1.1482	1.1542	1.1477	1.0373	1.1501	1.1485
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1025	0.0282	0.0150	0.0238	0.0608	0.0425	-0.0799	-0.0509	-0.0352	-0.0910
N 54	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.4640	-0.4708	-0.4608	-0.4708	-0.4587	-0.4819	-0.4708	-0.4275	-0.4594	-0.4473
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	2.3208	2.3193	2.3226	2.3193	2.3136	2.3268	2.3193	2.2976	2.3177	2.3028
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1671	-0.2160	0.2112	0.1240	0.1089	0.3058	0.0239	-0.1605	0.0884	-0.0465
N 55	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.2932	-0.2956	-0.2973	-0.2956	-0.2956	-0.2996	-0.2956	-0.2876	-0.2953	-0.2938
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.9930	0.9886	0.9931	0.9886	0.9968	0.9966	0.9886	0.8611	0.9935	0.9939
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0836	-0.0030	0.1324	0.0141	0.1078	0.1053	0.0294	0.0005	0.0162	0.0575
N 56	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1038	-0.1050	-0.1039	-0.1050	-0.1040	-0.1062	-0.1050	-0.0996	-0.1043	-0.1036
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.3489	0.3486	0.3478	0.3486	0.3483	0.3502	0.3486	0.3434	0.3502	0.3483
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1554	-0.0445	0.1458	0.0448	0.0014	0.2018	0.0405	-0.1966	-0.0183	0.0034

GROUP WITHIN SET

X VS. Y	1	2	3	4	5	6	7	8	9	10
N 57	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1254	-0.1317	-0.1337	-0.1317	-0.1275	-0.1374	-0.1317	-0.1073	-0.1300	-0.1254
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.8732	0.8768	0.8786	0.8768	0.8728	0.8799	0.8768	0.8604	0.8762	0.8694
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1529	-0.2575	0.0586	0.1394	0.0737	0.0851	-0.0565	-0.1363	0.0343	-0.0826
N 58	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.0616	-0.0626	-0.0647	-0.0626	-0.0653	-0.0661	-0.0626	-0.0588	-0.0624	-0.0629
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.4942	0.4978	0.4989	0.4978	0.4998	0.5007	0.4978	0.4749	0.4992	0.4998
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.0421	-0.0128	-0.1612	0.0067	0.0106	-0.1796	-0.1672	0.0514	-0.1011	-0.1327
N 59	13064.	13287.	13157.	13287.	13032.	13054.	13287.	12733.	13115.	13054.
AVE X	-0.1534	-0.1547	-0.1545	-0.1547	-0.1553	-0.1558	-0.1547	-0.1508	-0.1538	-0.1537
AVE Y	1.4979	0.0772	0.4508	0.1207	6.3380	1.8591	0.5172	0.2193	-0.3055	0.5676
SIG X	0.4204	0.4192	0.4210	0.4192	0.4219	0.4223	0.4192	0.3896	0.4200	0.4204
SIG Y	1.9186	2.2610	1.3254	1.2906	4.2804	4.3503	2.6350	1.8241	1.2864	2.0100
RXY	0.1414	-0.0112	0.1052	0.0389	0.1082	0.1853	0.0023	-0.0286	-0.0096	-0.0312

GROUP WITHIN SET

X VS. Y		11	12	13	14	15	16	17	18	19	20
N	1	13064.	10224.	6522.	12910.	4273.	13064.	12954.	13064.	12845.	13004.
AVE X		1.4979	1.5364	1.3651	1.4818	1.1124	1.4979	1.4969	1.4979	1.4860	1.5002
AVE Y		0.1176	0.1271	0.0988	-0.0331	-0.0123	-0.2130	-0.0345	0.4638	0.8337	0.0549
SIG X		1.9186	1.9549	2.0342	1.9150	2.2294	1.9186	1.9256	1.9186	1.9243	1.9221
SIG Y		1.5007	1.2060	0.9030	1.2253	1.0316	1.1081	0.9733	0.8473	0.3233	1.0685
RXY		0.0437	0.0001	0.0488	0.0543	-0.0374	0.0641	0.0372	0.1427	0.1000	0.0353
N	2	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		0.0772	0.0648	0.2730	0.0725	0.0831	0.0772	0.0767	0.0772	0.0615	0.0827
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		2.2610	2.3206	2.4580	2.2639	2.5094	2.2610	2.2607	2.2610	2.2673	2.2580
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.0818	-0.0195	0.0400	0.0761	-0.0439	-0.1180	0.0781	-0.0500	0.0178	0.0538
N	3	13157.	10289.	6607.	13003.	4305.	13157.	13075.	13157.	12972.	13097.
AVE X		0.4508	0.3158	0.2251	0.4528	-0.1900	0.4508	0.4485	0.4508	0.4363	0.4380
AVE Y		0.1216	0.1210	0.1362	-0.0259	-0.0067	-0.2119	-0.0332	0.4699	0.8387	0.0544
SIG X		1.3254	1.2817	1.2438	1.3253	1.2786	1.3254	1.3231	1.3254	1.3209	1.3130
SIG Y		1.5286	1.2012	0.9627	1.2300	1.0477	1.1025	0.9771	0.8398	0.3214	1.0648
RXY		-0.0872	-0.0327	0.0212	0.0319	0.1451	0.2130	0.4422	-0.1835	0.0229	-0.0665
N	4	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		0.1207	0.1053	-0.0593	0.1367	0.0686	0.1207	0.1114	0.1207	0.1041	0.1209
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		1.2906	1.2845	1.2534	1.2880	1.2830	1.2906	1.2875	1.2906	1.2884	1.2934
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.0206	0.1151	0.0753	-0.0755	-0.1540	0.0599	0.0220	0.0095	0.0278	-0.1050
N	5	13032.	10240.	6509.	12878.	4284.	13032.	12923.	13032.	12814.	12972.
AVE X		6.3380	6.8768	6.5305	6.3451	5.0723	6.3380	6.3348	6.3380	6.3088	6.3229
AVE Y		0.1201	0.1313	0.1266	-0.0174	-0.0061	-0.2125	-0.0491	0.4765	0.8381	0.0548
SIG X		4.2804	4.2716	4.5674	4.2824	4.7991	4.2804	4.2844	4.2804	4.2869	4.2845
SIG Y		1.5215	1.1837	0.9664	1.2035	1.0503	1.0968	0.9692	0.8418	0.3230	1.0698
RXY		0.0301	0.2383	0.0873	0.1623	-0.0120	-0.0122	-0.0110	0.0729	0.3887	-0.0156
N	6	13054.	10186.	6550.	12900.	4375.	13054.	12945.	13054.	12836.	12994.
AVE X		1.8591	1.3237	0.4711	1.8425	-1.0102	1.8591	1.8430	1.8591	1.7983	1.8403
AVE Y		0.1214	0.1155	0.1160	-0.0296	-0.0085	-0.2274	-0.0288	0.4649	0.8336	0.0549
SIG X		4.3503	4.3470	4.4033	4.3586	3.6358	4.3503	4.3552	4.3503	4.3361	4.3471
SIG Y		1.5310	1.2092	0.9570	1.2322	1.0394	1.1106	0.9816	0.8473	0.3227	1.0688
RXY		-0.1614	0.0157	0.0667	0.1006	0.0701	0.3006	0.6250	-0.1106	0.1001	-0.0863
N	7	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		0.5172	0.5123	0.0309	0.4885	-0.3809	0.5172	0.5273	0.5172	0.5098	0.5206
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		2.6350	2.6840	2.7383	2.6246	2.7423	2.6350	2.6355	2.6350	2.6404	2.6405
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.0520	0.0086	-0.0380	-0.0395	0.0556	0.0468	0.2099	-0.1201	0.0194	0.0249

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GROUP WITHIN SET

X VS. Y		11	12	13	14	15	16	17	18	19	20
N	8	12733.	9905.	6262.	12656.	4335.	12733.	12651.	12733.	12542.	12674.
AVE X		0.2193	0.4866	0.7890	0.2193	1.0310	0.2193	0.2236	0.2193	0.2317	0.2189
AVE Y		0.1362	0.1129	0.1078	-0.0363	-0.0075	-0.2083	-0.0686	0.4618	0.8320	0.0400
SIG X		1.8241	1.8338	1.7993	1.8281	1.8706	1.8241	1.8272	1.8241	1.8189	1.8282
SIG Y		1.5408	1.2114	0.9469	1.2233	1.0441	1.1054	0.9646	0.8427	0.3253	1.0531
RXY		0.1654	0.1429	0.0051	-0.0576	0.1205	-0.0979	-0.3156	0.1642	0.0306	0.0261
N	9	13115.	10318.	6547.	12978.	4324.	13115.	13005.	13115.	12896.	13055.
AVE X		-0.3055	-0.4090	-0.4515	-0.2999	-0.4271	-0.3055	-0.3035	-0.3055	-0.3022	-0.3102
AVE Y		0.1266	0.1384	0.1340	-0.0288	-0.0072	-0.2181	-0.0294	0.4734	0.8416	0.0541
SIG X		1.2864	1.1872	1.1185	1.2903	1.1663	1.2864	1.2898	1.2864	1.2908	1.2871
SIG Y		1.5329	1.1815	0.9662	1.2302	1.0455	1.1064	0.9764	0.8400	0.3023	1.0665
RXY		0.1784	-0.0036	-0.0928	-0.0171	0.0561	0.0683	0.2016	-0.0728	0.0096	-0.0763
N	10	13054.	10191.	6455.	12900.	4172.	13054.	12945.	13054.	12841.	12994.
AVE X		0.5676	0.5203	0.2814	0.5481	0.1817	0.5676	0.5679	0.5676	0.5622	0.5726
AVE Y		0.1258	0.1411	0.1124	-0.0344	-0.0030	-0.2055	-0.0315	0.4655	0.8416	0.0521
SIG X		2.0100	2.0625	1.8431	1.9799	1.9988	2.0100	2.0016	2.0100	2.0153	2.0132
SIG Y		1.5333	1.1960	0.9353	1.2293	1.0640	1.0980	0.9757	0.8458	0.3088	1.0623
RXY		0.0512	-0.0921	0.0916	-0.0746	0.0238	0.0260	0.2765	-0.1065	-0.0117	0.0916
N	11	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		0.1249	0.1755	0.4511	0.1305	0.6618	0.1249	0.1271	0.1249	0.1313	0.1137
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		1.5244	1.5482	1.8460	1.5320	2.0936	1.5244	1.5302	1.5244	1.5344	1.5180
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		1.0000	-0.0484	-0.0892	-0.0785	0.2096	-0.0624	-0.1586	-0.0161	-0.0033	-0.0358
N	12	10418.	10418.	5662.	10280.	3837.	10418.	10374.	10418.	10288.	10358.
AVE X		0.1234	0.1234	0.0142	0.1218	-0.0933	0.1234	0.1193	0.1234	0.1267	0.1179
AVE Y		0.1755	0.1234	0.1337	-0.0656	-0.0602	-0.3113	-0.1812	0.5058	0.8560	0.1068
SIG X		1.2031	1.2031	1.2281	1.2069	1.1489	1.2031	1.2041	1.2031	1.2012	1.2044
SIG Y		1.5482	1.2031	0.9901	1.3004	0.8915	1.1616	0.8907	0.8461	0.3270	1.1741
RXY		-0.0484	1.0000	0.0702	0.1241	-0.0348	0.0314	0.0757	0.0182	0.0902	-0.0122
N	13	6688.	5662.	6688.	6616.	3588.	6688.	6670.	6688.	6640.	6628.
AVE X		0.1329	0.1337	0.1329	0.1237	0.0203	0.1329	0.1350	0.1329	0.1310	0.1332
AVE Y		0.4511	0.0142	0.1329	-0.0611	-0.0869	-0.3536	-0.2693	0.4790	0.8216	0.1678
SIG X		0.9594	0.9901	0.9594	0.9576	1.0594	0.9594	0.9597	0.9594	0.9592	0.9635
SIG Y		1.8460	1.2281	0.9594	1.2318	0.8043	1.1368	0.9176	0.8353	0.3676	1.3262
RXY		-0.0892	0.0702	1.0000	0.0030	-0.0411	0.0832	0.0470	-0.0103	0.0917	0.0272
N	14	13133.	10280.	6616.	13133.	4375.	13133.	13035.	13133.	12914.	13073.
AVE X		-0.0298	-0.0656	-0.0611	-0.0298	-0.3193	-0.0298	-0.0287	-0.0298	-0.0336	-0.0291
AVE Y		0.1305	0.1218	0.1237	-0.0298	-0.0086	-0.2190	-0.0394	0.4702	0.8365	0.0385
SIG X		1.2275	1.3004	1.2318	1.2275	1.3504	1.2275	1.2321	1.2275	1.2307	1.2303
SIG Y		1.5320	1.2069	0.9576	1.2275	1.0393	1.1081	0.9795	0.8453	0.3240	1.0441
RXY		-0.0785	0.1241	0.0030	1.0000	-0.0377	0.0871	0.0327	-0.0171	0.1791	0.0427

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 15	4387.	3837.	3588.	4375.	4387.	4387.	4370.	4387.	4375.	4381.
AVE X	-0.0089	-0.0602	-0.0869	-0.0086	-0.0089	-0.0089	-0.0084	-0.0089	-0.0085	-0.0087
AVE Y	0.6618	-0.0933	0.0203	-0.3193	-0.0089	-0.3801	-0.4908	0.5137	0.7437	0.0717
SIG X	1.0379	0.8915	0.8043	1.0393	1.0379	1.0379	1.0400	1.0379	1.0394	1.0387
SIG Y	2.0936	1.1489	1.0594	1.3504	1.0379	1.0938	0.7968	0.8387	0.3936	1.2288
RXY	0.2096	-0.0348	-0.0411	-0.0377	1.0000	0.0726	-0.1114	-0.0592	0.0412	-0.1124
N 16	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.2170	-0.3113	-0.3536	-0.2190	-0.3801	-0.2170	-0.2232	-0.2170	-0.2242	-0.2120
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.1056	1.1616	1.1368	1.1081	1.0938	1.1056	1.1082	1.1056	1.1099	1.1056
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0624	0.0314	0.0832	0.0871	0.0726	1.0000	0.1597	-0.0010	-0.0119	-0.0783
N 17	13177.	10374.	6670.	13035.	4370.	13177.	13177.	13177.	12986.	13117.
AVE X	-0.0371	-0.1812	-0.2693	-0.0394	-0.4908	-0.0371	-0.0371	-0.0371	-0.0503	-0.0388
AVE Y	0.1271	0.1193	0.1350	-0.0287	-0.0084	-0.2232	-0.0371	0.4746	0.8367	0.0538
SIG X	0.9778	0.8907	0.9176	0.9795	0.7968	0.9778	0.9778	0.9778	0.9697	0.9795
SIG Y	1.5302	1.2041	0.9597	1.2321	1.0400	1.1082	0.9778	0.8409	0.3236	1.0641
RXY	-0.1586	0.0757	0.0470	0.0327	-0.1114	0.1597	1.0000	-0.0931	-0.0233	-0.0205
N 18	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	0.4676	0.5058	0.4790	0.4702	0.5137	0.4676	0.4746	0.4676	0.4747	0.4610
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.8427	0.8461	0.8353	0.8453	0.8387	0.8427	0.8409	0.8427	0.8331	0.8383
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0161	0.0182	-0.0103	-0.0171	-0.0592	-0.0010	-0.0931	1.0000	0.0750	0.0808
N 19	13068.	10288.	6640.	12914.	4375.	13068.	12986.	13068.	13068.	13009.
AVE X	0.8369	0.8560	0.8216	0.8365	0.7437	0.8369	0.8367	0.8369	0.8369	0.8371
AVE Y	0.1313	0.1267	0.1310	-0.0336	-0.0085	-0.2242	-0.0503	0.4747	0.8369	0.0556
SIG X	0.3229	0.3270	0.3676	0.3240	0.3936	0.3229	0.3236	0.3229	0.3229	0.3236
SIG Y	1.5344	1.2012	0.9592	1.2307	1.0394	1.1099	0.9697	0.8331	0.3229	1.0681
RXY	-0.0033	0.0902	0.0917	0.1791	0.0412	-0.0119	-0.0233	0.0750	1.0000	-0.0963
N 20	13227.	10358.	6628.	13073.	4381.	13227.	13117.	13227.	13009.	13227.
AVE X	0.0519	0.1068	0.1678	0.0385	0.0717	0.0519	0.0538	0.0519	0.0556	0.0519
AVE Y	0.1137	0.1179	0.1332	-0.0291	-0.0087	-0.2120	-0.0388	0.4610	0.8371	0.0519
SIG X	1.0599	1.1741	1.3262	1.0441	1.2288	1.0599	1.0641	1.0599	1.0681	1.0599
SIG Y	1.5180	1.2044	0.9635	1.2303	1.0387	1.1056	0.9795	0.8383	0.3236	1.0599
RXY	-0.0358	-0.0122	0.0272	0.0427	-0.1124	-0.0783	-0.0205	0.0808	-0.0963	1.0000
N 21	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.4612	-0.4249	-0.4622	-0.4640	-0.3431	-0.4612	-0.4679	-0.4612	-0.4615	-0.4613
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.8802	0.8953	0.9872	0.8834	1.0535	0.8802	0.8780	0.8802	0.8852	0.8822
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0643	-0.1209	-0.1648	-0.1632	-0.0609	-0.2480	-0.0124	0.0316	-0.0977	-0.0423

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 22	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.1592	-0.2498	-0.2544	-0.1659	-0.4468	-0.1592	-0.1637	-0.1592	-0.1535	-0.1653
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.9584	0.9218	0.9197	0.9561	0.8019	0.9584	0.9569	0.9584	0.9604	0.9563
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1511	0.0454	0.1857	0.0942	0.0897	0.3094	0.3382	0.0278	-0.0427	0.0428
N 23	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	0.5128	0.4483	0.4143	0.5062	0.0318	0.5128	0.5028	0.5128	0.4872	0.5088
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.2267	1.2495	1.3931	1.2148	0.9623	1.2267	1.2128	1.2267	1.1564	1.2280
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1025	0.0207	-0.0464	-0.0075	-0.0704	0.0798	0.5532	-0.1318	0.1160	-0.0674
N 24	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.2987	-0.3305	-0.3263	-0.2980	-0.3717	-0.2987	-0.3022	-0.2987	-0.2943	-0.2985
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.0555	1.0885	1.0878	1.0579	1.2146	1.0555	1.0554	1.0555	1.0599	1.0545
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1278	0.0721	-0.0384	0.1356	0.0466	0.2917	-0.1016	0.1514	-0.0291	0.0426
N 25	13259.	10390.	6659.	13105.	4387.	13259.	13149.	13259.	13040.	13199.
AVE X	-0.2471	-0.3209	-0.2713	-0.2397	-0.1964	-0.2471	-0.2527	-0.2471	-0.2465	-0.2524
AVE Y	0.1155	0.1255	0.1349	-0.0313	-0.0089	-0.2166	-0.0348	0.4679	0.8367	0.0524
SIG X	0.9339	0.9002	0.9236	0.9369	0.9532	0.9339	0.9316	0.9339	0.9341	0.9317
SIG Y	1.4987	1.2041	0.9606	1.2278	1.0379	1.1060	0.9775	0.8434	0.3232	1.0609
RXY	-0.0052	-0.1240	-0.0208	0.0772	0.0060	0.0954	0.0559	-0.0232	-0.1641	0.1190
N 26	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.0381	-0.0475	0.0254	-0.0379	0.0759	-0.0381	-0.0396	-0.0381	-0.0454	-0.0329
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.9732	0.9686	0.9849	0.9754	0.9598	0.9732	0.9743	0.9732	0.9738	0.9723
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	0.0027	0.0453	0.1376	0.0330	-0.1531	0.2051	0.0419	-0.0756	-0.0386	-0.0184
N 27	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.0916	-0.0842	-0.1174	-0.0929	-0.0794	-0.0916	-0.0953	-0.0916	-0.0974	-0.0910
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.5147	0.5250	0.5717	0.5159	0.6219	0.5147	0.5140	0.5147	0.5060	0.5157
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0976	-0.0119	-0.1583	-0.1003	-0.0870	-0.0915	0.1216	-0.0309	-0.0591	-0.0539
N 28	13249.	10393.	6656.	13095.	4371.	13249.	13139.	13249.	13030.	13189.
AVE X	-0.4312	-0.4399	-0.4173	-0.4303	-0.3721	-0.4312	-0.4306	-0.4312	-0.4299	-0.4309
AVE Y	0.1262	0.1221	0.1320	-0.0294	-0.0084	-0.2167	-0.0391	0.4659	0.8373	0.0525
SIG X	0.4276	0.4031	0.4637	0.4300	0.5629	0.4276	0.4293	0.4276	0.4310	0.4285
SIG Y	1.5264	1.2038	0.9590	1.2293	1.0398	1.1061	0.9767	0.8425	0.3214	1.0613
RXY	-0.0266	0.0676	0.0965	0.0304	-0.0264	0.0285	0.0142	-0.0717	-0.0883	-0.0303

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 29	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	0.1686	0.1386	0.1427	0.1669	-0.0421	0.1686	0.1648	0.1686	0.1596	0.1636
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.0227	1.0112	1.0233	1.0240	1.0126	1.0227	1.0223	1.0227	1.0211	1.0208
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0797	0.0385	0.0325	0.1066	-0.0245	0.0675	0.1526	-0.0068	-0.0353	-0.0061
N 30	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.0214	-0.0486	-0.1238	-0.0226	-0.2900	-0.0214	-0.0259	-0.0214	-0.0314	-0.0219
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.9568	0.9530	0.9436	0.9605	0.9704	0.9568	0.9560	0.9568	0.9554	0.9587
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1942	0.1484	-0.0221	0.0731	0.0525	0.1389	0.1661	0.1326	0.0843	0.0164
N 31	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.0751	-0.0074	0.2458	-0.0867	0.6888	-0.0751	-0.0784	-0.0751	-0.0670	-0.0689
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.6469	1.7156	1.6884	1.6412	1.5904	1.6469	1.6487	1.6469	1.6525	1.6475
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	0.0125	-0.0785	-0.0077	-0.0607	-0.0736	-0.1217	-0.3057	0.0834	-0.0100	0.0211
N 32	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.5828	-0.7165	-0.5519	-0.5759	-0.5662	-0.5828	-0.5724	-0.5828	-0.5955	-0.5859
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	2.1202	2.0319	1.8724	2.1119	1.9434	2.1202	2.1225	2.1202	2.1124	2.1245
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.2099	0.0454	0.0383	0.0993	-0.2779	0.0893	-0.0636	0.1428	-0.0083	0.0346
N 33	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	0.0189	-0.0164	-0.1522	0.0197	-0.1475	0.0189	0.0194	0.0189	0.0365	0.0050
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.5717	1.5914	1.5133	1.5734	1.4333	1.5717	1.5739	1.5717	1.5659	1.5583
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	0.0819	0.0323	0.0936	0.0739	0.3008	0.1094	0.0168	-0.0580	-0.0682	0.0177
N 34	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.2837	-0.3785	-0.6067	-0.2855	-0.8196	-0.2837	-0.2858	-0.2837	-0.2886	-0.2840
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.2179	1.2419	1.1622	1.2182	1.0592	1.2179	1.2185	1.2179	1.2249	1.2201
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1042	0.0340	0.0173	0.1453	0.1543	0.1624	0.2780	-0.0706	0.0039	-0.0634
N 35	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.3109	-0.4275	-0.5186	-0.3126	-0.6413	-0.3109	-0.3158	-0.3109	-0.3194	-0.3156
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.0906	1.0682	1.0076	1.0873	0.9761	1.0906	1.0813	1.0906	1.0887	1.0905
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1125	-0.0460	0.0625	-0.0057	0.2151	0.1933	0.2574	0.0114	0.0016	-0.0676

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 36	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.1657	-0.2465	-0.2366	-0.1568	-0.3887	-0.1657	-0.1647	-0.1657	-0.1761	-0.1676
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.9491	0.9694	0.9573	0.9496	0.8675	0.9491	0.9506	0.9491	0.9494	0.9506
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0310	0.0557	0.0328	0.0461	0.0500	0.2332	0.2317	0.0156	0.0397	-0.1163
N 37	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	0.0100	0.0458	0.0701	0.0124	0.0378	0.0100	0.0148	0.0100	0.0140	0.0124
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.7695	0.7785	0.7604	0.7692	0.7781	0.7695	0.7704	0.7695	0.7744	0.7704
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	0.0315	-0.0330	-0.0924	-0.0493	0.2084	-0.1154	-0.1299	0.0951	0.0488	0.0657
N 38	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.2622	-0.3216	-0.3974	-0.2744	-0.4758	-0.2622	-0.2680	-0.2622	-0.2735	-0.2653
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.7505	0.7885	0.7170	0.7412	0.6115	0.7505	0.7468	0.7505	0.7455	0.7508
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1183	0.0466	-0.0112	0.1757	-0.0255	0.1844	0.1565	-0.0107	-0.0178	-0.0170
N 39	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.4295	-0.4073	-0.2261	-0.4302	-0.0817	-0.4295	-0.4272	-0.4295	-0.4204	-0.4289
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.7656	0.7895	0.7620	0.7681	0.6607	0.7656	0.7661	0.7656	0.7642	0.7669
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	0.1066	-0.0731	-0.0932	0.0612	0.0418	-0.1648	-0.3384	0.1285	-0.0695	-0.0013
N 40	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.1116	-0.1916	-0.2499	-0.1056	-0.3420	-0.1116	-0.1157	-0.1116	-0.1120	-0.1121
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.0130	1.0770	1.1247	1.0109	1.1823	1.0130	1.0161	1.0130	1.0134	1.0138
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0210	0.1080	0.1232	0.1570	0.1058	0.3354	-0.0043	-0.0391	0.1076	-0.1359
N 41	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.0380	-0.0597	-0.1195	-0.0417	-0.1852	-0.0380	-0.0418	-0.0380	-0.0475	-0.0416
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.6318	0.6340	0.6143	0.6315	0.5159	0.6318	0.6303	0.6318	0.6256	0.6308
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0132	-0.0303	0.0849	-0.0254	0.0979	0.1183	0.2977	-0.1672	0.0569	-0.0953
N 42	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	0.3063	0.3271	0.3663	0.3130	0.4396	0.3063	0.3067	0.3063	0.3104	0.3096
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.6306	0.6486	0.6004	0.6297	0.6138	0.6306	0.6311	0.6306	0.6272	0.6301
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	0.1346	-0.0271	-0.0029	0.0574	0.0336	0.0072	-0.2551	0.0182	0.0672	0.0210

GROUP WITHIN SET

X VS. Y		11	12	13	14	15	16	17	18	19	20
N	43	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		0.1100	0.1063	0.0305	0.1111	0.0414	0.1100	0.1084	0.1100	0.1078	0.1105
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		0.6908	0.7317	0.5680	0.6939	0.5730	0.6908	0.6910	0.6908	0.6914	0.6922
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		0.0015	0.0012	0.0453	-0.0220	-0.0022	0.0224	0.0852	-0.0389	-0.0123	-0.0678
N	44	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		-0.2835	-0.3739	-0.4747	-0.2855	-0.5642	-0.2835	-0.2854	-0.2835	-0.2910	-0.2898
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		0.7546	0.7370	0.6993	0.7521	0.6697	0.7546	0.7514	0.7546	0.7552	0.7493
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.0586	-0.0203	0.0708	0.0003	0.3057	0.3201	0.3533	-0.0476	0.0268	-0.1231
N	45	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		0.0525	0.0159	0.0431	0.0518	-0.0379	0.0525	0.0499	0.0525	0.0498	0.0502
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		0.5988	0.5750	0.6284	0.5979	0.4750	0.5988	0.5966	0.5988	0.5925	0.5989
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.0224	0.1540	-0.0128	0.0806	0.0315	0.0579	-0.0393	-0.0289	-0.0466	0.0463
N	46	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		-0.1192	-0.1922	-0.2603	-0.1220	-0.4499	-0.1192	-0.1187	-0.1192	-0.1218	-0.1209
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		0.7988	0.8611	0.8756	0.7989	0.8476	0.7988	0.8016	0.7988	0.8010	0.7986
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.0300	0.0686	0.1066	0.1903	0.1396	0.3251	0.0883	-0.1242	-0.0359	-0.0956
N	47	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		-0.3289	-0.3409	-0.3380	-0.3273	-0.3694	-0.3289	-0.3297	-0.3289	-0.3270	-0.3306
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		0.7959	0.8290	0.8910	0.7987	1.0750	0.7959	0.7984	0.7959	0.7718	0.7972
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.1673	0.0328	-0.0120	0.1257	-0.3686	0.0169	-0.0218	0.0745	-0.0834	0.0270
N	48	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		-0.6228	-0.8039	-0.9664	-0.6236	-1.3106	-0.6228	-0.6256	-0.6228	-0.6276	-0.6269
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		1.3832	1.3580	1.4041	1.3854	1.4052	1.3832	1.3877	1.3832	1.3737	1.3825
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.3146	0.1389	0.0883	0.1820	-0.2100	0.3433	0.3513	0.0174	0.0168	-0.0328
N	49	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X		-1.5377	-1.6029	-1.7223	-1.5300	-1.6174	-1.5377	-1.5393	-1.5377	-1.5363	-1.5409
AVE Y		0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X		2.6896	2.8305	3.1520	2.6914	3.2083	2.6896	2.6993	2.6896	2.6553	2.6953
SIG Y		1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY		-0.0626	0.0148	0.0093	0.1706	-0.0829	0.1756	-0.0742	0.0575	0.0292	0.0097

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 50	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-1.1534	-1.2695	-1.3299	-1.1464	-1.3520	-1.1534	-1.1556	-1.1534	-1.1577	-1.1585
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	2.1329	2.2084	2.4436	2.1302	2.5099	2.1329	2.1406	2.1329	2.1166	2.1364
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1377	0.0510	0.0757	0.2110	-0.1252	0.2515	-0.0236	0.0282	0.0398	-0.0255
N 51	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.3723	-0.4283	-0.4865	-0.3689	-0.5523	-0.3723	-0.3746	-0.3723	-0.3706	-0.3731
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.9563	1.0092	1.0574	0.9575	1.1727	0.9563	0.9595	0.9563	0.9182	0.9582
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1752	0.1124	0.0378	0.1454	-0.0766	0.2465	-0.0525	0.0382	0.0430	-0.0570
N 52	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.5785	-0.6904	-0.6444	-0.5780	-0.8252	-0.5785	-0.5749	-0.5785	-0.5831	-0.5835
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.1276	1.1070	1.1796	1.1327	1.2688	1.1276	1.1306	1.1276	1.1078	1.1278
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1766	0.0604	0.0080	0.1422	-0.1395	0.1933	0.2553	0.0144	-0.0573	0.0966
N 53	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.4998	-0.5402	-0.5519	-0.4983	-0.5976	-0.4998	-0.5007	-0.4998	-0.4967	-0.5010
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	1.1477	1.2303	1.3485	1.1498	1.4579	1.1477	1.1518	1.1477	1.0832	1.1501
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1135	0.0618	0.0408	0.1746	-0.1126	0.1452	-0.0109	0.0352	0.0080	0.0068
N 54	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.4708	-0.7334	-0.9117	-0.4636	-1.2831	-0.4708	-0.4746	-0.4708	-0.4807	-0.4761
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	2.3193	2.3749	2.5653	2.3186	2.6971	2.3193	2.3258	2.3193	2.3183	2.3203
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1589	0.1781	0.1514	0.2057	-0.0637	0.4028	0.1351	-0.0355	0.0648	-0.1408
N 55	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.2956	-0.3075	-0.3414	-0.2973	-0.4016	-0.2956	-0.2967	-0.2956	-0.2994	-0.2968
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.9886	1.0694	1.0911	0.9932	1.3372	0.9886	0.9926	0.9886	0.9960	0.9907
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.0217	0.0223	0.1071	0.0053	0.0497	0.0619	0.0523	-0.0528	0.0249	-0.1295
N 56	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.1050	-0.1341	-0.1591	-0.1059	-0.2188	-0.1050	-0.1056	-0.1050	-0.1069	-0.1056
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.3486	0.3645	0.3705	0.3503	0.4479	0.3486	0.3493	0.3486	0.3494	0.3493
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.2753	0.0481	0.1016	0.1131	-0.3015	0.2789	0.1914	-0.0345	-0.0559	-0.0171

GROUP WITHIN SET

X VS. Y	11	12	13	14	15	16	17	18	19	20
N 57	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.1317	-0.1951	-0.2471	-0.1285	-0.3131	-0.1317	-0.1356	-0.1317	-0.1338	-0.1330
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.8768	0.9118	0.9417	0.8758	0.9833	0.8768	0.8792	0.8768	0.8766	0.8774
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1789	0.1205	0.1194	0.1700	-0.0688	0.3010	-0.0553	-0.0147	0.0775	-0.1065
N 58	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.0626	-0.0541	-0.0769	-0.0619	-0.0443	-0.0626	-0.0633	-0.0626	-0.0593	-0.0629
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.4978	0.5312	0.5705	0.4998	0.6328	0.4978	0.4996	0.4978	0.4703	0.4989
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1985	0.0782	-0.0359	0.0811	-0.0940	-0.0813	-0.1354	0.0919	-0.0174	0.0552
N 59	13287.	10418.	6688.	13133.	4387.	13287.	13177.	13287.	13068.	13227.
AVE X	-0.1547	-0.1825	-0.2066	-0.1551	-0.2277	-0.1547	-0.1559	-0.1547	-0.1531	-0.1555
AVE Y	0.1249	0.1234	0.1329	-0.0298	-0.0089	-0.2170	-0.0371	0.4676	0.8369	0.0519
SIG X	0.4192	0.4533	0.4873	0.4210	0.5541	0.4192	0.4202	0.4192	0.3861	0.4198
SIG Y	1.5244	1.2031	0.9594	1.2275	1.0379	1.1056	0.9778	0.8427	0.3229	1.0599
RXY	-0.1264	0.0493	-0.0014	0.0989	-0.0825	0.1755	0.0862	-0.0084	-0.0075	0.0070

GROUP WITHIN SET

X VS. Y		21	22	23	24	25	26	27	28	29	30
N	1	13064.	13064.	13064.	13064.	13050.	13064.	13064.	13038.	13064.	13064.
AVE X		1.4979	1.4979	1.4979	1.4979	1.4972	1.4979	1.4979	1.5015	1.4979	1.4979
AVE Y		-0.4544	-0.1547	0.5128	-0.2955	-0.2375	-0.0363	-0.0879	-0.4330	0.1690	-0.0185
SIG X		1.9186	1.9186	1.9186	1.9186	1.9195	1.9186	1.9186	1.9107	1.9186	1.9186
SIG Y		0.8741	0.9600	1.2117	1.0550	0.9377	0.9742	0.5106	0.4228	1.0264	0.9541
RXY		-0.1009	0.0660	0.2176	0.1258	0.0889	-0.0077	-0.0270	-0.0582	0.0438	0.1538
N	2	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X		0.0772	0.0772	0.0772	0.0772	0.0804	0.0772	0.0772	0.0765	0.0772	0.0772
AVE Y		-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X		2.2610	2.2610	2.2610	2.2610	2.2617	2.2610	2.2610	2.2634	2.2610	2.2610
SIG Y		0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY		0.0992	-0.0207	0.1274	-0.0957	-0.0522	-0.0371	0.0280	0.1082	0.1450	0.0849
N	3	13157.	13157.	13157.	13157.	13129.	13157.	13157.	13122.	13157.	13157.
AVE X		0.4508	0.4508	0.4508	0.4508	0.4532	0.4508	0.4508	0.4486	0.4508	0.4508
AVE Y		-0.4614	-0.1534	0.5197	-0.2977	-0.2487	-0.0461	-0.0928	-0.4325	0.1755	-0.0100
SIG X		1.3254	1.3254	1.3254	1.3254	1.3253	1.3254	1.3254	1.3234	1.3254	1.3254
SIG Y		0.8805	0.9604	1.2290	1.0547	0.9332	0.9725	0.5112	0.4239	1.0239	0.9530
RXY		-0.2003	0.2358	0.4898	-0.0456	0.0969	-0.0829	-0.0003	-0.1020	0.1952	0.1446
N	4	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X		0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1220	0.1207	0.1207
AVE Y		-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X		1.2906	1.2906	1.2906	1.2906	1.2920	1.2906	1.2906	1.2914	1.2906	1.2906
SIG Y		0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY		-0.0325	0.0638	0.0435	-0.0212	-0.0286	-0.1278	0.0721	-0.0041	0.0494	0.1075
N	5	13032.	13032.	13032.	13032.	13004.	13032.	13032.	12997.	13032.	13032.
AVE X		6.3380	6.3380	6.3380	6.3380	6.3340	6.3380	6.3380	6.3362	6.3380	6.3380
AVE Y		-0.4649	-0.1577	0.4948	-0.2761	-0.2371	-0.0267	-0.0932	-0.4339	0.1733	-0.0028
SIG X		4.2804	4.2804	4.2804	4.2804	4.2841	4.2804	4.2804	4.2765	4.2804	4.2804
SIG Y		0.8785	0.9590	1.2166	1.0487	0.9379	0.9733	0.5155	0.4203	1.0268	0.9456
RXY		-0.1977	-0.1425	0.3211	-0.0401	-0.1090	-0.0169	-0.0145	-0.0799	0.1294	0.1486
N	6	13054.	13054.	13054.	13054.	13040.	13054.	13054.	13016.	13054.	13054.
AVE X		1.8591	1.8591	1.8591	1.8591	1.8626	1.8591	1.8591	1.8516	1.8591	1.8591
AVE Y		-0.4568	-0.1555	0.5163	-0.2943	-0.2371	-0.0421	-0.0931	-0.4298	0.1738	-0.0225
SIG X		4.3503	4.3503	4.3503	4.3503	4.3513	4.3503	4.3503	4.3462	4.3503	4.3503
SIG Y		0.8827	0.9598	1.2311	1.0565	0.9379	0.9718	0.5165	0.4313	1.0200	0.9561
RXY		-0.1683	0.2713	0.6863	-0.0539	0.0686	0.0135	0.1069	0.0207	0.2543	0.2421
N	7	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X		0.5172	0.5172	0.5172	0.5172	0.5113	0.5172	0.5172	0.5049	0.5172	0.5172
AVE Y		-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X		2.6350	2.6350	2.6350	2.6350	2.6344	2.6350	2.6350	2.6279	2.6350	2.6350
SIG Y		0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY		0.0024	0.0114	0.2758	-0.0738	-0.0158	-0.0207	0.0967	-0.0251	0.1401	0.1271

GROUP WITHIN SET

X VS. Y		21	22	23	24	25	26	27	28	29	30
N	8	12733.	12733.	12733.	12733.	12705.	12733.	12733.	12701.	12733.	12733.
AVE X		0.2193	0.2193	0.2193	0.2193	0.2185	0.2193	0.2193	0.2190	0.2193	0.2193
AVE Y		-0.4715	-0.1617	0.4701	-0.2731	-0.2266	-0.0437	-0.0969	-0.4279	0.1714	-0.0275
SIG X		1.8241	1.8241	1.8241	1.8241	1.8260	1.8241	1.8241	1.8260	1.8241	1.8241
SIG Y		0.8706	0.9576	1.1867	1.0542	0.9420	0.9720	0.5123	0.4364	1.0274	0.9487
RXY		0.0334	-0.1723	-0.2068	-0.0789	-0.1041	-0.0060	-0.0012	0.0453	0.0150	-0.0460
N	9	13115.	13115.	13115.	13115.	13086.	13115.	13115.	13076.	13115.	13115.
AVE X		-0.3055	-0.3055	-0.3055	-0.3055	-0.3066	-0.3055	-0.3055	-0.3050	-0.3055	-0.3055
AVE Y		-0.4655	-0.1537	0.5141	-0.3002	-0.2487	-0.0281	-0.0942	-0.4347	0.1593	-0.0256
SIG X		1.2864	1.2864	1.2864	1.2864	1.2872	1.2864	1.2864	1.2879	1.2864	1.2864
SIG Y		0.8828	0.9604	1.2330	1.0572	0.9333	0.9732	0.5164	0.4180	1.0192	0.9566
RXY		-0.0485	0.0191	0.1608	-0.0911	0.0543	-0.0700	0.0290	-0.0141	0.0076	-0.0303
N	10	13054.	13054.	13054.	13054.	13026.	13054.	13054.	13019.	13054.	13054.
AVE X		0.5676	0.5676	0.5676	0.5676	0.5679	0.5676	0.5676	0.5679	0.5676	0.5676
AVE Y		-0.4656	-0.1639	0.5132	-0.2923	-0.2485	-0.0371	-0.0921	-0.4377	0.1603	-0.0225
SIG X		2.0100	2.0100	2.0100	2.0100	2.0117	2.0100	2.0100	2.0108	2.0100	2.0100
SIG Y		0.8883	0.9568	1.2135	1.0475	0.9333	0.9756	0.5104	0.4095	1.0232	0.9586
RXY		0.0257	-0.0061	0.2162	-0.0810	-0.0048	-0.0266	0.0727	-0.0132	0.0976	0.0509
N	11	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X		0.1249	0.1249	0.1249	0.1249	0.1155	0.1249	0.1249	0.1262	0.1249	0.1249
AVE Y		-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X		1.5244	1.5244	1.5244	1.5244	1.4987	1.5244	1.5244	1.5264	1.5244	1.5244
SIG Y		0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY		-0.0643	-0.1511	-0.1025	-0.1278	-0.0052	0.0027	-0.0976	-0.0266	-0.0797	-0.1942
N	12	10418.	10418.	10418.	10418.	10390.	10418.	10418.	10393.	10418.	10418.
AVE X		0.1234	0.1234	0.1234	0.1234	0.1255	0.1234	0.1234	0.1221	0.1234	0.1234
AVE Y		-0.4249	-0.2498	0.4483	-0.3385	-0.3209	-0.0475	-0.0842	-0.4399	0.1386	-0.0486
SIG X		1.2031	1.2031	1.2031	1.2031	1.2041	1.2031	1.2031	1.2038	1.2031	1.2031
SIG Y		0.8953	0.9218	1.2495	1.0885	0.9002	0.9686	0.5250	0.4031	1.0112	0.9530
RXY		-0.1209	0.0454	0.0207	0.0721	-0.1240	0.0453	-0.0119	0.0676	0.0385	0.1484
N	13	6688.	6688.	6688.	6688.	6659.	6688.	6688.	6656.	6688.	6688.
AVE X		0.1329	0.1329	0.1329	0.1329	0.1349	0.1329	0.1329	0.1320	0.1329	0.1329
AVE Y		-0.4622	-0.2544	0.4143	-0.3263	-0.2713	0.0254	-0.1174	-0.4173	0.1427	-0.1238
SIG X		0.9594	0.9594	0.9594	0.9594	0.9606	0.9594	0.9594	0.9590	0.9594	0.9594
SIG Y		0.9872	0.9197	1.3931	1.0878	0.9236	0.9849	0.5717	0.4637	1.0233	0.9436
RXY		-0.1648	0.1857	-0.0464	-0.0384	-0.0208	0.1376	-0.1583	0.0965	0.0325	-0.0221
N	14	13133.	13133.	13133.	13133.	13105.	13133.	13133.	13095.	13133.	13133.
AVE X		-0.0298	-0.0298	-0.0298	-0.0298	-0.0313	-0.0298	-0.0298	-0.0294	-0.0298	-0.0298
AVE Y		-0.4640	-0.1659	0.5062	-0.2980	-0.2397	-0.0379	-0.0929	-0.4303	0.1669	-0.0226
SIG X		1.2275	1.2275	1.2275	1.2275	1.2278	1.2275	1.2275	1.2293	1.2275	1.2275
SIG Y		0.8834	0.9561	1.2148	1.0579	0.9369	0.9754	0.5159	0.4300	1.0240	0.9605
RXY		-0.1632	0.0942	-0.0075	0.1356	0.0772	0.0330	-0.1003	0.0304	0.1066	0.0731

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 15	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4371.	4387.	4387.
AVE X	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0084	-0.0089	-0.0089
AVE Y	-0.3431	-0.4468	0.0318	-0.3717	-0.1964	0.0759	-0.0794	-0.3721	-0.0421	-0.2900
SIG X	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0398	1.0379	1.0379
SIG Y	1.0535	0.8019	0.9623	1.2146	0.9532	0.9598	0.6219	0.5629	1.0126	0.9704
RXY	-0.0609	0.0897	-0.0704	0.0466	0.0060	-0.1531	-0.0870	-0.0264	-0.0245	0.0525
N 16	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.2170	-0.2170	-0.2170	-0.2170	-0.2166	-0.2170	-0.2170	-0.2167	-0.2170	-0.2170
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.1056	1.1056	1.1056	1.1056	1.1060	1.1056	1.1056	1.1061	1.1056	1.1056
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2480	0.3094	0.0798	0.2917	0.0954	0.2051	-0.0915	0.0285	0.0675	0.1389
N 17	13177.	13177.	13177.	13177.	13149.	13177.	13177.	13139.	13177.	13177.
AVE X	-0.0371	-0.0371	-0.0371	-0.0371	-0.0348	-0.0371	-0.0371	-0.0391	-0.0371	-0.0371
AVE Y	-0.4679	-0.1637	0.5028	-0.3022	-0.2527	-0.0396	-0.0953	-0.4306	0.1648	-0.0259
SIG X	0.9778	0.9778	0.9778	0.9778	0.9775	0.9778	0.9778	0.9767	0.9778	0.9778
SIG Y	0.8780	0.9569	1.2128	1.0554	0.9316	0.9743	0.5140	0.4293	1.0223	0.9560
RXY	-0.0124	0.3382	0.5532	-0.1016	0.0559	0.0419	0.1216	0.0142	0.1526	0.1661
N 18	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.4676	0.4676	0.4676	0.4676	0.4679	0.4676	0.4676	0.4659	0.4676	0.4676
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.8427	0.8427	0.8427	0.8427	0.8434	0.8427	0.8427	0.8425	0.8427	0.8427
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.0316	0.0278	-0.1318	0.1514	-0.0232	-0.0756	-0.0309	-0.0717	-0.0068	0.1326
N 19	13068.	13068.	13068.	13068.	13040.	13068.	13068.	13030.	13068.	13068.
AVE X	0.8369	0.8369	0.8369	0.8369	0.8367	0.8369	0.8369	0.8373	0.8369	0.8369
AVE Y	-0.4615	-0.1535	0.4872	-0.2943	-0.2465	-0.0454	-0.0974	-0.4299	0.1596	-0.0314
SIG X	0.3229	0.3229	0.3229	0.3229	0.3232	0.3229	0.3229	0.3214	0.3229	0.3229
SIG Y	0.8852	0.9604	1.1564	1.0599	0.9341	0.9738	0.5060	0.4310	1.0211	0.9554
RXY	-0.0977	-0.0427	0.1160	-0.0291	-0.1641	-0.0386	-0.0591	-0.0883	-0.0353	0.0843
N 20	13227.	13227.	13227.	13227.	13199.	13227.	13227.	13189.	13227.	13227.
AVE X	0.0519	0.0519	0.0519	0.0519	0.0524	0.0519	0.0519	0.0525	0.0519	0.0519
AVE Y	-0.4613	-0.1653	0.5088	-0.2985	-0.2524	-0.0329	-0.0910	-0.4309	0.1636	-0.0219
SIG X	1.0599	1.0599	1.0599	1.0599	1.0609	1.0599	1.0599	1.0613	1.0599	1.0599
SIG Y	0.8822	0.9563	1.2280	1.0545	0.9317	0.9723	0.5157	0.4285	1.0208	0.9587
RXY	-0.0423	0.0428	-0.0674	0.0426	0.1190	-0.0184	-0.0539	-0.0303	-0.0061	0.0164
N 21	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.4612	-0.4612	-0.4612	-0.4612	-0.4597	-0.4612	-0.4612	-0.4633	-0.4612	-0.4612
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.8802	0.8802	0.8802	0.8802	0.8803	0.8802	0.8802	0.8804	0.8802	0.8802
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	1.0000	-0.0296	0.1794	-0.1737	-0.0497	-0.1504	0.5921	0.0237	-0.0287	-0.0211

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 22	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.1592	-0.1592	-0.1592	-0.1592	-0.1578	-0.1592	-0.1592	-0.1573	-0.1592	-0.1592
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.9584	0.9584	0.9584	0.9584	0.9589	0.9584	0.9584	0.9591	0.9584	0.9584
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0296	1.0000	0.1804	0.1228	0.0524	0.0641	0.0407	-0.0330	0.1004	0.1850
N 23	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.5128	0.5128	0.5128	0.5128	0.5154	0.5128	0.5128	0.5092	0.5128	0.5128
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2215	1.2267	1.2267
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.1794	0.1804	1.0000	-0.1930	-0.0756	-0.0777	0.4047	0.0112	0.1916	0.1673
N 24	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.2987	-0.2987	-0.2987	-0.2987	-0.2995	-0.2987	-0.2987	-0.2980	-0.2987	-0.2987
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.0555	1.0555	1.0555	1.0555	1.0560	1.0555	1.0555	1.0553	1.0555	1.0555
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1737	0.1228	-0.1930	1.0000	0.1553	0.0472	-0.2535	-0.0988	-0.0698	0.2711
N 25	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13220.	13259.	13259.
AVE X	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2458	-0.2471	-0.2471
AVE Y	-0.4597	-0.1578	0.5154	-0.2995	-0.2471	-0.0374	-0.0910	-0.4310	0.1673	-0.0192
SIG X	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9344	0.9339	0.9339
SIG Y	0.8803	0.9589	1.2267	1.0560	0.9339	0.9738	0.5140	0.4280	1.0234	0.9554
RXY	-0.0497	0.0524	-0.0756	0.1553	1.0000	-0.0523	-0.0548	-0.0071	-0.0184	0.0310
N 26	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.0381	-0.0381	-0.0381	-0.0381	-0.0374	-0.0381	-0.0381	-0.0379	-0.0381	-0.0381
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.9732	0.9732	0.9732	0.9732	0.9738	0.9732	0.9732	0.9735	0.9732	0.9732
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1504	0.0641	-0.0777	0.0472	-0.0523	1.0000	-0.0689	0.0957	-0.0842	-0.1176
N 27	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.0916	-0.0916	-0.0916	-0.0916	-0.0910	-0.0916	-0.0916	-0.0924	-0.0916	-0.0916
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.5147	0.5147	0.5147	0.5147	0.5148	0.5147	0.5147	0.5150	0.5147	0.5147
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.5921	0.0407	0.4047	-0.2535	-0.0548	-0.0689	1.0000	0.0331	0.0804	-0.0079
N 28	13249.	13249.	13249.	13249.	13220.	13249.	13249.	13249.	13249.	13249.
AVE X	-0.4312	-0.4312	-0.4312	-0.4312	-0.4310	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	-0.4633	-0.1573	0.5092	-0.2980	-0.2458	-0.0379	-0.0924	-0.4312	0.1686	-0.0212
SIG X	0.4276	0.4276	0.4276	0.4276	0.4280	0.4276	0.4276	0.4276	0.4276	0.4276
SIG Y	0.8804	0.9591	1.2215	1.0553	0.9344	0.9735	0.5150	0.4276	1.0234	0.9564
RXY	0.0237	-0.0330	0.0112	-0.0988	-0.0071	0.0957	0.0331	1.0000	0.0015	0.0253

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 29	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.1686	0.1686	0.1686	0.1686	0.1673	0.1686	0.1686	0.1686	0.1686	0.1686
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.0227	1.0227	1.0227	1.0227	1.0234	1.0227	1.0227	1.0234	1.0227	1.0227
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0287	0.1004	0.1916	-0.0698	-0.0184	-0.0842	0.0804	0.0015	1.0000	0.1502
N 30	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.0214	-0.0214	-0.0214	-0.0214	-0.0192	-0.0214	-0.0214	-0.0212	-0.0214	-0.0214
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.9568	0.9568	0.9568	0.9568	0.9554	0.9568	0.9568	0.9564	0.9568	0.9568
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0211	0.1850	0.1673	0.2711	0.0310	-0.1176	-0.0079	0.0253	0.1502	1.0000
N 31	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.0751	-0.0751	-0.0751	-0.0751	-0.0727	-0.0751	-0.0751	-0.0770	-0.0751	-0.0751
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.6469	1.6469	1.6469	1.6469	1.6465	1.6469	1.6469	1.6484	1.6469	1.6469
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.0448	-0.1094	-0.2462	0.067?	0.0093	0.1748	-0.0844	-0.0060	-0.0766	-0.1231
N 32	13287.	13287.	13287.	?	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.5828	-0.5828	-0.5828	-	-0.5797	-0.5828	-0.5828	-0.5815	-0.5828	-0.5828
AVE Y	-0.4612	-0.1592	0.5128	-(	-0.2471	-0.0381	-0,0916	-0.4312	0.1686	-0.0214
SIG X	2.1202	2.1202	2.1202	2.	2.1201	2.1202	2.1202	2.1224	2.1202	2.1202
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0393	0.1029	-0.0723	0.3484	0.1083	-0.0702	-0.0962	-0.0159	-0.0384	0.3490
N 33	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.0189	0.0189	0.0189	0.0189	0.0190	0.0189	0.0189	0.0164	0.0189	0.0189
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.5717	1.5717	1.5717	1.5717	1.5724	1.5717	1.5717	1.5678	1.5717	1.5717
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1363	0.0856	-0.1028	0.0768	0.1249	-0.1466	-0.0954	-0.0621	-0.0233	-0.0032
N 34	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.2837	-0.2837	-0.2837	-0.2837	-0.2818	-0.2837	-0.2837	-0.2836	-0.2837	-0.2837
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.2179	1.2179	1.2179	1.2179	1.2185	1.2179	1.2179	1.2178	1.2179	1.2179
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1236	0.1298	0.1587	0.0893	0.0632	0.0705	-0.0147	-0.0946	0.1040	0.2450
N 35	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.3109	-0.3109	-0.3109	-0.3109	-0.3098	-0.3109	-0.3109	-0.3165	-0.3109	-0.3109
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.0906	1.0906	1.0906	1.0906	1.0914	1.0906	1.0906	1.0839	1.0906	1.0906
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0866	0.1757	0.1780	0.0666	0.1094	-0.0273	-0.0148	-0.0486	0.2766	0.1561

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 36	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.1657	-0.1657	-0.1657	-0.1657	-0.1652	-0.1657	-0.1657	-0.1645	-0.1657	-0.1657
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.9491	0.9491	0.9491	0.9491	0.9496	0.9491	0.9491	0.9488	0.9491	0.9491
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0412	0.2220	0.1501	0.0972	0.1222	-0.0141	0.0741	-0.0112	0.1282	0.1528
N 37	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.0100	0.0100	0.0100	0.0100	0.0102	0.0100	0.0100	0.0108	0.0100	0.0100
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.7695	0.7695	0.7695	0.7695	0.7703	0.7695	0.7695	0.7699	0.7695	0.7695
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.0797	-0.1043	-0.0284	-0.1016	-0.0464	-0.1480	0.0834	-0.0581	0.0326	-0.0105
N 38	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.2622	-0.2622	-0.2622	-0.2622	-0.2601	-0.2622	-0.2622	-0.2629	-0.2622	-0.2622
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.7505	0.7505	0.7505	0.7505	0.7497	0.7505	0.7505	0.7507	0.7505	0.7505
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0918	0.1570	0.0906	0.2172	0.0494	-0.0155	-0.0398	-0.0622	0.0753	0.1876
N 39	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.4295	-0.4295	-0.4295	-0.4295	-0.4300	-0.4295	-0.4295	-0.4295	-0.4295	-0.4295
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.7656	0.7656	0.7656	0.7656	0.7663	0.7656	0.7656	0.7652	0.7656	0.7656
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.1059	-0.1340	-0.3090	0.0177	-0.0035	0.0617	-0.0990	0.0660	-0.0851	-0.1097
N 40	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.1116	-0.1116	-0.1116	-0.1116	-0.1120	-0.1116	-0.1116	-0.1096	-0.1116	-0.1116
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.0130	1.0130	1.0130	1.0130	1.0139	1.0130	1.0130	1.0113	1.0130	1.0130
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2256	0.1784	-0.0308	0.4341	0.1259	0.1642	-0.2036	-0.0210	0.0213	0.1892
N 41	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.0380	-0.0380	-0.0380	-0.0380	-0.0377	-0.0380	-0.0380	-0.0384	-0.0380	-0.0380
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.6318	0.6318	0.6318	0.6318	0.6323	0.6318	0.6318	0.6315	0.6318	0.6318
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1250	0.0954	0.3168	-0.1556	0.1206	0.0299	0.0565	-0.0487	0.2605	0.0207
N 42	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.3063	0.3063	0.3063	0.3063	0.3051	0.3063	0.3063	0.3072	0.3063	0.3063
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.6306	0.6306	0.6306	0.6306	0.6307	0.6306	0.6306	0.6297	0.6306	0.6306
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1171	-0.0937	-0.2601	0.1423	-0.0239	-0.0022	-0.1737	0.0002	-0.0590	-0.0805

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 43	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.1100	0.1100	0.1100	0.1100	0.1093	0.1100	0.1100	0.1109	0.1100	0.1100
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.6908	0.6908	0.6908	0.6908	0.6913	0.6908	0.6908	0.6915	0.6908	0.6908
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.0795	-0.0155	0.0677	-0.0791	-0.0176	-0.0077	0.0581	-0.0052	-0.0322	0.0772
N 44	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.2835	-0.2835	-0.2835	-0.2835	-0.2834	-0.2835	-0.2835	-0.2861	-0.2835	-0.2835
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.7546	0.7546	0.7546	0.7546	0.7554	0.7546	0.7546	0.7522	0.7546	0.7546
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2440	0.2872	0.3052	0.0175	0.1426	-0.0064	-0.0101	-0.0477	0.3172	0.1246
N 45	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	0.0525	0.0525	0.0525	0.0525	0.0536	0.0525	0.0525	0.0529	0.0525	0.0525
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.5988	0.5988	0.5988	0.5988	0.5990	0.5988	0.5988	0.5988	0.5988	0.5988
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	0.0092	0.0645	0.0474	0.0404	0.0024	-0.0848	0.0752	-0.0821	0.0896	0.1327
N 46	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.1192	-0.1192	-0.1192	-0.1192	-0.1198	-0.1192	-0.1192	-0.1181	-0.1192	-0.1192
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.7988	0.7988	0.7988	0.7988	0.7995	0.7988	0.7988	0.7979	0.7988	0.7988
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2848	0.1912	-0.0024	0.2679	0.1544	0.1765	-0.1749	0.0020	0.0181	0.2035
N 47	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.3289	-0.3289	-0.3289	-0.3289	-0.3290	-0.3289	-0.3289	-0.3224	-0.3289	-0.3289
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.7959	0.7959	0.7959	0.7959	0.7966	0.7959	0.7959	0.7672	0.7959	0.7959
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0256	-0.0060	-0.0977	0.2618	0.1087	-0.0085	-0.1108	0.0420	-0.0578	0.1007
N 48	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.6228	-0.6228	-0.6228	-0.6228	-0.6204	-0.6228	-0.6228	-0.6175	-0.6228	-0.6228
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.3832	1.3832	1.3832	1.3832	1.3825	1.3832	1.3832	1.3666	1.3832	1.3832
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2289	0.2830	0.1914	0.3818	0.1931	0.0597	-0.1206	-0.0245	0.1073	0.3481
N 49	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-1.5377	-1.5377	-1.5377	-1.5377	-1.5392	-1.5377	-1.5377	-1.5195	-1.5377	-1.5377
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	2.6896	2.6896	2.6896	2.6896	2.6920	2.6896	2.6896	2.6330	2.6896	2.6896
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2069	0.0528	-0.1594	0.3233	0.1030	0.0841	-0.2252	0.0136	0.0381	0.1049

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 50	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-1.1534	-1.1534	-1.1534	-1.1534	-1.1533	-1.1534	-1.1534	-1.1410	-1.1534	-1.1534
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	2.1329	2.1329	2.1329	2.1329	2.1351	2.1329	2.1329	2.1005	2.1329	2.1329
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2591	0.0885	-0.1292	0.3812	0.1340	0.1146	-0.2607	0.0288	0.0408	0.1457
N 51	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.3723	-0.3723	-0.3723	-0.3723	-0.3723	-0.3723	-0.3723	-0.3636	-0.3723	-0.3723
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.9563	0.9563	0.9563	0.9563	0.9568	0.9563	0.9563	0.9086	0.9563	0.9563
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2465	0.1263	-0.0791	0.4239	0.0789	0.0860	-0.2028	-0.0377	0.0174	0.1869
N 52	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.5785	-0.5785	-0.5785	-0.5785	-0.5778	-0.5785	-0.5785	-0.5716	-0.5785	-0.5785
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.1276	1.1276	1.1276	1.1276	1.1287	1.1276	1.1276	1.1061	1.1276	1.1276
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1603	0.1790	0.1040	0.2835	0.2226	-0.0469	-0.1373	0.0259	0.0450	0.2463
N 53	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.4998	-0.4998	-0.4998	-0.4998	-0.4988	-0.4998	-0.4998	-0.4886	-0.4998	-0.4998
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	1.1477	1.1477	1.1477	1.1477	1.1486	1.1477	1.1477	1.0770	1.1477	1.1477
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1924	0.0612	-0.0616	0.2975	0.0888	0.0694	-0.1830	0.0161	0.0143	0.1355
N 54	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.4708	-0.4708	-0.4708	-0.4708	-0.4720	-0.4708	-0.4708	-0.4644	-0.4708	-0.4708
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	2.3193	2.3193	2.3193	2.3193	2.3214	2.3193	2.3193	2.3140	2.3193	2.3193
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.3397	0.2075	0.0405	0.4274	0.1413	0.1526	-0.2331	0.0099	0.0570	0.2652
N 55	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.2956	-0.2956	-0.2956	-0.2956	-0.2963	-0.2956	-0.2956	-0.2831	-0.2956	-0.2956
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.9886	0.9886	0.9886	0.9886	0.9895	0.9886	0.9886	0.8466	0.9886	0.9886
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0049	0.0714	0.0393	0.0704	0.0046	0.0810	0.0079	0.0313	0.0792	0.0918
N 56	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.1050	-0.1050	-0.1050	-0.1050	-0.1051	-0.1050	-0.1050	-0.1027	-0.1050	-0.1050
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.3486	0.3486	0.3486	0.3486	0.3488	0.3486	0.3486	0.3417	0.3486	0.3486
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1958	0.1858	0.0585	0.3452	0.1877	0.1402	-0.1312	0.0266	0.0648	0.1967

GROUP WITHIN SET

X VS. Y	21	22	23	24	25	26	27	28	29	30
N 57	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.1317	-0.1317	-0.1317	-0.1317	-0.1311	-0.1317	-0.1317	-0.1296	-0.1317	-0.1317
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.8768	0.8768	0.8768	0.8768	0.8770	0.8768	0.8768	0.8754	0.8768	0.8768
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.2123	0.1456	-0.0608	0.4625	0.0941	0.1404	-0.2003	-0.0286	0.0027	0.2272
N 58	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.0626	-0.0626	-0.0626	-0.0626	-0.0610	-0.0626	-0.0626	-0.0577	-0.0626	-0.0626
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.4978	0.4978	0.4978	0.4978	0.4948	0.4978	0.4978	0.4680	0.4978	0.4978
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.0042	-0.0758	-0.2032	0.1932	0.0110	-0.0127	-0.0795	-0.0204	-0.0751	0.0626
N 59	13287.	13287.	13287.	13287.	13259.	13287.	13287.	13249.	13287.	13287.
AVE X	-0.1547	-0.1547	-0.1547	-0.1547	-0.1548	-0.1547	-0.1547	-0.1505	-0.1547	-0.1547
AVE Y	-0.4612	-0.1592	0.5128	-0.2987	-0.2471	-0.0381	-0.0916	-0.4312	0.1686	-0.0214
SIG X	0.4192	0.4192	0.4192	0.4192	0.4196	0.4192	0.4192	0.3843	0.4192	0.4192
SIG Y	0.8802	0.9584	1.2267	1.0555	0.9339	0.9732	0.5147	0.4276	1.0227	0.9568
RXY	-0.1816	0.0933	0.0297	0.2539	0.0815	-0.0005	-0.1387	-0.0102	0.0825	0.1510

GROUP WITHIN SET

X VS. Y		31	32	33	34	35	36	37	38	39	40
N	1	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.
AVE X		1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979
AVE Y		-0.0881	-0.5682	0.0132	-0.2708	-0.3085	-0.1629	0.0083	-0.2541	-0.4317	-0.1060
SIG X		1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186
SIG Y		1.6531	2.1255	1.5631	1.2183	1.0893	0.9549	0.7741	0.7486	0.7687	1.0106
RXY		-0.0668	0.1105	0.0311	0.0984	0.0224	0.0398	-0.0250	0.1451	-0.0796	0.1134
N	2	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772
AVE Y		-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X		2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610
SIG Y		1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY		0.1278	-0.0961	-0.1509	-0.1291	0.0354	-0.1143	0.0816	-0.0838	0.1044	-0.2974
N	3	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.
AVE X		0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508
AVE Y		-0.0849	-0.5624	0.0195	-0.2809	-0.3127	-0.1607	0.0129	-0.2669	-0.4347	-0.1135
SIG X		1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254
SIG Y		1.6451	2.1153	1.5743	1.2198	1.0929	0.9451	0.7678	0.7484	0.7655	1.0146
RXY		-0.2027	0.0193	0.0776	0.3118	0.4214	0.2177	-0.0287	0.2118	-0.2817	0.1149
N	4	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207
AVE Y		-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X		1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906
SIG Y		1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY		-0.0975	0.0577	0.0584	0.1356	0.0564	0.1715	-0.1208	0.0771	-0.1199	0.1530
N	5	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.
AVE X		6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380
AVE Y		-0.0812	-0.5704	0.0166	-0.2740	-0.2997	-0.1660	0.0138	-0.2578	-0.4321	-0.1042
SIG X		4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804
SIG Y		1.6453	2.1262	1.5842	1.2184	1.0775	0.9501	0.7724	0.7541	0.7705	1.0102
RXY		-0.0980	-0.0507	-0.0175	0.0938	0.0213	0.0436	0.0846	0.0350	-0.1406	0.0907
N	6	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591
AVE Y		-0.0723	-0.5902	0.0053	-0.2856	-0.3226	-0.1825	0.0012	-0.2546	-0.4116	-0.1173
SIG X		4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503
SIG Y		1.6331	2.1298	1.5630	1.1913	1.0784	0.9391	0.7677	0.7451	0.7501	1.0159
RXY		-0.3773	-0.0775	0.0843	0.3763	0.3909	0.2417	-0.1099	0.1757	-0.4404	0.1445
N	7	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172
AVE Y		-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X		2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350
SIG Y		1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY		-0.1929	-0.0668	0.0558	0.1286	0.1499	0.0820	-0.0514	0.0305	-0.1785	-0.0244

GROUP WITHIN SET

X VS. Y		31	32	33	34	35	36	37	38	39	40
N	8	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.
AVE X		0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193
AVE Y		-0.0693	-0.5304	0.0138	-0.2796	-0.2940	-0.1497	0.0147	-0.2606	-0.4269	-0.0815
SIG X		1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241
SIG Y		1.6319	2.1094	1.5744	1.2250	1.0965	0.9328	0.7706	0.7361	0.7646	0.9886
RXY		0.1649	-0.0218	-0.0904	-0.1195	-0.1523	-0.0980	0.1224	-0.1432	0.1816	-0.1317
N	9	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.
AVE X		-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055
AVE Y		-0.0719	-0.5799	0.0244	-0.2828	-0.3085	-0.1616	0.0068	-0.2640	-0.4248	-0.1107
SIG X		1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864
SIG Y		1.6467	2.1165	1.5748	1.2233	1.0936	0.9504	0.7713	0.7487	0.7612	1.0123
RXY		-0.1759	-0.0954	0.2023	0.1400	0.0715	0.1716	-0.0542	0.0490	-0.0971	0.1241
N	10	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676
AVE Y		-0.0996	-0.5879	0.0104	-0.2644	-0.3011	-0.1592	0.0022	-0.2559	-0.4386	-0.1009
SIG X		2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100
SIG Y		1.6353	2.1288	1.5714	1.2162	1.0949	0.9525	0.7688	0.7543	0.7676	1.0026
RXY		-0.1975	-0.0465	0.0148	0.1694	0.1257	0.0947	-0.0920	0.1251	-0.1959	-0.0058
N	11	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249
AVE Y		-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X		1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244
SIG Y		1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY		0.0125	-0.2099	0.0819	-0.1042	-0.1125	-0.0310	0.0315	-0.1183	0.1066	-0.0210
N	12	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.
AVE X		0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234
AVE Y		-0.0074	-0.7165	-0.0164	-0.3785	-0.4275	-0.2465	0.0458	-0.3216	-0.4073	-0.1916
SIG X		1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031
SIG Y		1.7156	2.0319	1.5914	1.2419	1.0682	0.9694	0.7785	0.7885	0.7895	1.0770
RXY		-0.0785	0.0454	0.0323	0.0340	-0.0460	0.0557	-0.0330	0.0466	-0.0731	0.1080
N	13	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.
AVE X		0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329
AVE Y		0.2458	-0.5519	-0.1522	-0.6067	-0.5186	-0.2366	0.0701	-0.3974	-0.2261	-0.2499
SIG X		0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594
SIG Y		1.6884	1.8724	1.5133	1.1622	1.0076	0.9573	0.7604	0.7170	0.7620	1.1247
RXY		-0.0077	0.0383	0.0936	0.0173	0.0625	0.0328	-0.0924	-0.0112	-0.0932	0.1232
N	14	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.
AVE X		-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298
AVE Y		-0.0867	-0.5759	0.0197	-0.2855	-0.3126	-0.1568	0.0124	-0.2744	-0.4302	-0.1056
SIG X		1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275
SIG Y		1.6412	2.1119	1.5734	1.2182	1.0873	0.9496	0.7692	0.7412	0.7681	1.0109
RXY		-0.0607	0.0993	0.0739	0.1453	-0.0057	0.0461	-0.0493	0.1757	0.0612	0.1570

GROUP WITHIN SET

X VS. Y		31	32	33	34	35	36	37	38	39	40
N	15	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.
AVE X		-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089
AVE Y		0.6888	-0.5662	-0.1475	-0.8196	-0.6413	-0.3887	0.0378	-0.4758	-0.0817	-0.3420
SIG X		1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379
SIG Y		1.5904	1.9434	1.4333	1.0592	0.9761	0.8675	0.7781	0.6115	0.6607	1.1823
RXY		-0.0736	-0.2779	0.3008	0.1543	0.2151	0.0500	0.2084	-0.0255	0.0418	0.1058
N	16	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170
AVE Y		-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X		1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056
SIG Y		1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY		-0.1217	0.0893	0.1094	0.1624	0.1933	0.2332	-0.1154	0.1844	-0.1648	0.3354
N	17	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.
AVE X		-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371
AVE Y		-0.0784	-0.5724	0.0194	-0.2858	-0.3158	-0.1647	0.0148	-0.2680	-0.4272	-0.1157
SIG X		0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778
SIG Y		1.6487	2.1225	1.5739	1.2185	1.0813	0.9506	0.7704	0.7468	0.7661	1.0161
RXY		-0.3057	-0.0636	0.0168	0.2780	0.2574	0.2317	-0.1299	0.1565	-0.3384	-0.0043
N	18	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676
AVE Y		-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X		0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427
SIG Y		1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY		0.0834	0.1428	-0.0580	-0.0706	0.0114	0.0156	0.0951	-0.0107	0.1285	-0.0391
N	19	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.
AVE X		0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369
AVE Y		-0.0670	-0.5955	0.0365	-0.2886	-0.3194	-0.1761	0.0140	-0.2733	-0.4204	-0.1120
SIG X		0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229
SIG Y		1.6525	2.1124	1.5659	1.2249	1.0887	0.9494	0.7744	0.7455	0.7642	1.0134
RXY		-0.0100	-0.0083	-0.0682	0.0039	0.0016	0.0397	0.0488	-0.0178	-0.0695	0.1076
N	20	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.
AVE X		0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519
AVE Y		-0.0689	-0.5859	0.0050	-0.2840	-0.3156	-0.1676	0.0124	-0.2653	-0.4289	-0.1121
SIG X		1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599
SIG Y		1.6475	2.1245	1.5583	1.2201	1.0905	0.9506	0.7704	0.7508	0.7669	1.0138
RXY		0.0211	0.0346	0.0177	-0.0634	-0.0676	-0.1163	0.0657	-0.0170	-0.0013	-0.1359
N	21	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612
AVE Y		-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X		0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802
SIG Y		1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY		0.0448	-0.0393	-0.1363	-0.1236	-0.0866	-0.0412	0.0797	-0.0918	0.1059	-0.2256

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 22	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592
AVE Y	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584
SIG Y	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY	-0.1094	0.1029	0.0856	0.1298	0.1757	0.2220	-0.1043	0.1570	-0.1340	0.1784
N 23	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128
AVE Y	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267
SIG Y	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY	-0.2462	-0.0723	-0.1028	0.1587	0.1780	0.1501	-0.0284	0.0906	-0.3090	-0.0308
N 24	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987
AVE Y	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555
SIG Y	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY	0.0673	0.3484	0.0768	0.0893	0.0666	0.0972	-0.1016	0.2172	0.0177	0.4341
N 25	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.
AVE X	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471
AVE Y	-0.0727	-0.5797	0.0190	-0.2818	-0.3098	-0.1652	0.0102	-0.2601	-0.4300	-0.1120
SIG X	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339
SIG Y	1.6465	2.1201	1.5724	1.2185	1.0914	0.9496	0.7703	0.7497	0.7663	1.0139
RXY	0.0093	0.1083	0.1249	0.0632	0.1094	0.1222	-0.0464	0.0494	-0.0035	0.1259
N 26	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381
AVE Y	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732
SIG Y	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY	0.1748	-0.0702	-0.1466	0.0705	-0.0273	-0.0141	-0.1480	-0.0155	0.0617	0.1642
N 27	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916
AVE Y	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147
SIG Y	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY	-0.0844	-0.0962	-0.0954	-0.0147	-0.0148	0.0741	0.0834	-0.0398	-0.0990	-0.2036
N 28	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.
AVE X	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	-0.0770	-0.5815	0.0164	-0.2836	-0.3165	-0.1645	0.0108	-0.2629	-0.4295	-0.1096
SIG X	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276
SIG Y	1.6484	2.1224	1.5678	1.2178	1.0839	0.9488	0.7699	0.7507	0.7652	1.0113
RXY	-0.0060	-0.0159	-0.0621	-0.0946	-0.0486	-0.0112	-0.0581	-0.0622	0.0660	-0.0210

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 29	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686
AVE Y	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227
SIG Y	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY	-0.0766	-0.0384	-0.0233	0.1040	0.2766	0.1282	0.0326	0.0753	-0.0851	0.0213
N 30	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214
AVE Y	-0.0751	-0.5828	0.0189	-0.2837	-0.3109	-0.1657	0.0100	-0.2622	-0.4295	-0.1116
SIG X	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568
SIG Y	1.6469	2.1202	1.5717	1.2179	1.0906	0.9491	0.7695	0.7505	0.7656	1.0130
RXY	-0.1231	0.3490	-0.0032	0.2450	0.1561	0.1528	-0.0105	0.1876	-0.1097	0.1892
N 31	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	1.0000	-0.0177	-0.2784	-0.3914	0.1822	-0.2477	0.1344	-0.2355	0.3831	-0.0688
N 32	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.0177	1.0000	0.0034	0.1007	-0.0125	0.1515	-0.0846	0.2365	0.0651	0.3307
N 33	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.2784	0.0034	1.0000	0.1663	0.0722	0.1406	0.0203	0.0474	-0.1508	0.1025
N 34	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.3914	0.1007	0.1663	1.0000	0.1523	0.3037	-0.1048	0.3541	-0.1497	0.2847
N 35	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	0.1822	-0.0125	0.0722	0.1523	1.0000	0.1752	0.0719	0.0709	-0.2790	0.0718

GROUP WITHIN SET

X VS. Y		31	32	33	34	35	36	37	38	39	40
N	36	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		-0.2477	0.1515	0.1406	0.3037	0.1752	1.0000	-0.1149	0.2522	-0.1507	0.3545
N	37	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		0.1344	-0.0846	0.0203	-0.1048	0.0719	-0.1149	1.0000	-0.2547	0.0339	-0.3781
N	38	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		-0.2355	0.2365	0.0474	0.3541	0.0709	0.2522	-0.2547	1.0000	0.0166	0.3179
N	39	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		0.3831	0.0651	-0.1508	-0.1497	-0.2790	-0.1507	0.0339	0.0166	1.0000	-0.1486
N	40	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		-0.0688	0.3307	0.1025	0.2847	0.0718	0.3545	-0.3781	0.3179	-0.1486	1.0000
N	41	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		0.0506	-0.1733	0.0668	0.0801	0.4095	0.1126	0.0536	-0.0458	-0.2841	-0.0044
N	42	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		0.0912	0.0981	0.0611	-0.1255	-0.1119	0.0308	-0.0722	0.0500	0.0074	0.3146

GROUP WITHIN SET

X VS. Y		31	32	33	34	35	36	37	38	39	40
N	43	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		0.0204	-0.0033	0.0530	0.0305	0.2404	-0.0602	0.0984	-0.0286	-0.0861	-0.1137
N	44	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		-0.0083	-0.0646	0.1974	0.2522	0.7767	0.2716	-0.0171	0.1088	-0.3690	0.1776
N	45	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		-0.0353	0.1065	0.0737	0.0788	0.1121	0.0916	0.1112	0.2621	-0.0268	0.1401
N	46	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		-0.1169	0.1865	0.1962	0.4005	0.1602	0.3355	-0.2926	0.3172	-0.0519	0.5888
N	47	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		0.8611	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		0.0469	0.2955	-0.0465	-0.0092	-0.0048	0.0015	-0.0447	0.1092	0.0455	0.1203
N	48	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		-0.2722	0.4759	0.1247	0.3991	0.2171	0.3195	-0.2459	0.3471	-0.2868	0.5682
N	49	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974
AVE Y		-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X		2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891
SIG Y		1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY		0.0050	0.2485	0.0429	0.0956	0.0348	0.1164	-0.0819	0.1463	-0.0142	0.3422

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 50	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.2415
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.0429	0.3509	0.0634	0.1589	0.0451	0.1645	-0.1477	0.2236	-0.0405	0.4665
N 51	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0323
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.0735	0.3943	0.0227	0.1348	0.0328	0.1868	-0.1912	0.2129	-0.1156	0.5472
N 52	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1635
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.2035	0.4037	0.1325	0.2001	0.1162	0.1826	-0.0956	0.2215	-0.0987	0.2096
N 53	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2530
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.0080	0.3013	0.0085	0.0960	0.0393	0.0866	-0.0732	0.1557	-0.0307	0.2934
N 54	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.3281
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.2215	0.4675	0.1628	0.3250	0.0936	0.3143	-0.2977	0.3240	-0.2192	0.7664
N 55	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0248
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.0677	0.1000	0.0151	0.1067	0.0639	0.1278	-0.0339	0.1029	-0.1037	0.1988
N 56	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1048	-0.1048	-0.1048	-0.1048	-0.1048	-0.1048	-0.1048	-0.1048	-0.1048	-0.1048
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	0.3561	0.3561	0.3561	0.3561	0.3561	0.3561	0.3561	0.3561	0.3561	0.3561
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.1177	0.4142	0.0416	0.1731	0.0840	0.2016	-0.2046	0.2358	-0.2012	0.4388

GROUP WITHIN SET

X VS. Y	31	32	33	34	35	36	37	38	39	40
N 57	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.0787	0.4635	0.0742	0.2362	0.0236	0.2835	-0.3545	0.3296	-0.1464	0.8869
N 58	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	0.5283	0.5283	0.5283	0.5283	0.5283	0.5283	0.5283	0.5283	0.5283	0.5283
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	0.0491	0.1989	-0.0240	0.0138	-0.0765	-0.1135	-0.0271	0.0699	0.0248	0.0896
N 59	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593
AVE Y	-0.0046	-0.5783	-0.0168	-0.3355	-0.3607	-0.1985	0.0105	-0.2766	-0.4059	-0.1018
SIG X	0.4383	0.4383	0.4383	0.4383	0.4383	0.4383	0.4383	0.4383	0.4383	0.4383
SIG Y	1.6619	2.0840	1.5586	1.2166	1.1250	0.9585	0.7540	0.7640	0.7841	1.0083
RXY	-0.0753	0.2194	0.0367	0.1190	0.1080	0.0829	-0.0721	0.1440	-0.1140	0.2533

GROUP WITHIN SET

X VS. Y		41	42	43	44	45	46	47	48	49	50
N	1	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.
AVE X		1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979
AVE Y		-0.0359	0.3080	0.1139	-0.2820	0.0573	-0.1141	-0.3322	-0.6078	-1.5266	-1.1496
SIG X		1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186
SIG Y		0.6334	0.6280	0.6955	0.7529	0.6015	0.7993	0.7928	1.3818	2.6772	2.1186
RXY		0.1351	-0.0226	0.0180	0.0772	0.0057	0.1005	0.1200	0.2327	0.0384	0.0628
N	2	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772
AVE Y		-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X		2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610
SIG Y		0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY		0.0036	-0.1830	0.0479	-0.0216	-0.0639	-0.1398	0.0599	-0.1070	-0.0214	-0.0606
N	3	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.
AVE X		0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508
AVE Y		-0.0401	0.3068	0.1074	-0.2816	0.0529	-0.1185	-0.3321	-0.6178	-1.5425	-1.1578
SIG X		1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254
SIG Y		0.6286	0.6289	0.6897	0.7568	0.5974	0.8012	0.7977	1.3855	2.6987	2.1374
RXY		0.4011	-0.2580	0.1179	0.5773	0.0577	0.1923	-0.0810	0.3072	-0.0298	0.0133
N	4	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207
AVE Y		-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X		1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906
SIG Y		0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY		0.0492	0.0329	0.0237	0.1158	-0.0920	0.0645	0.0328	0.1281	0.0255	0.0383
N	5	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.
AVE X		6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380
AVE Y		-0.0349	0.3037	0.1135	-0.2794	0.0556	-0.1117	-0.3275	-0.6151	-1.5207	-1.1409
SIG X		4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804
SIG Y		0.6343	0.6292	0.6966	0.7504	0.6018	0.7997	0.7964	1.3873	2.6448	2.1020
RXY		0.1278	0.0542	-0.0307	0.1248	0.0430	0.0843	-0.0044	0.0992	0.0111	0.0124
N	6	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591
AVE Y		-0.0415	0.2989	0.1094	-0.2896	0.0452	-0.1274	-0.3309	-0.6260	-1.5460	-1.1602
SIG X		4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503
SIG Y		0.6236	0.6299	0.6937	0.7562	0.5833	0.8004	0.8016	1.3901	2.7107	2.1490
RXY		0.4311	-0.2333	0.0582	0.5978	0.0266	0.2552	-0.0546	0.4513	-0.0133	0.0427
N	7	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172
AVE Y		-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X		2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350
SIG Y		0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY		0.2240	-0.1630	0.1036	0.2146	0.0271	0.0618	-0.1048	0.1117	-0.1098	-0.1106

GROUP WITHIN SET

X VS. Y		41	42	43	44	45	46	47	48	49	50
N	8	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.
AVE X		0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193
AVE Y		-0.0356	0.3212	0.1044	-0.2734	0.0615	-0.1113	-0.3178	-0.6081	-1.4662	-1.0977
SIG X		1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241
SIG Y		0.6411	0.6260	0.6925	0.7632	0.6062	0.8011	0.7627	1.3655	2.4961	2.0163
RXY		-0.1181	0.0884	-0.0466	-0.1765	0.0103	-0.0868	-0.0626	-0.2374	-0.0644	-0.1014
N	9	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.
AVE X		-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055
AVE Y		-0.0367	0.3047	0.1125	-0.2803	0.0558	-0.1200	-0.3268	-0.6141	-1.5354	-1.1486
SIG X		1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864
SIG Y		0.6328	0.6284	0.6943	0.7556	0.6010	0.8005	0.7978	1.3864	2.6967	2.1385
RXY		0.0949	-0.0381	-0.0377	0.1708	0.0740	0.1238	-0.0406	0.0723	-0.0143	0.0042
N	10	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676
AVE Y		-0.0407	0.3015	0.1129	-0.2778	0.0567	-0.1052	-0.3293	-0.6097	-1.5210	-1.1400
SIG X		2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100
SIG Y		0.6332	0.6301	0.6957	0.7568	0.6012	0.7928	0.7923	1.3841	2.6621	2.1080
RXY		0.1729	-0.1234	0.0741	0.1683	0.0531	-0.0112	-0.1114	0.0386	-0.0941	-0.1089
N	11	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249
AVE Y		-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X		1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244
SIG Y		0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY		-0.0132	0.1346	0.0015	-0.0586	-0.0224	-0.0300	-0.1673	-0.3146	-0.0626	-0.1377
N	12	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.
AVE X		0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234
AVE Y		-0.0597	0.3271	0.1063	-0.3739	0.0159	-0.1922	-0.3409	-0.8039	-1.6029	-1.2695
SIG X		1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031
SIG Y		0.6340	0.6486	0.7317	0.7370	0.5750	0.8611	0.8290	1.3580	2.8305	2.2084
RXY		-0.0303	-0.0271	0.0012	-0.0203	0.1540	0.0686	0.0328	0.1389	0.0148	0.0510
N	13	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.
AVE X		0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329
AVE Y		-0.1195	0.3663	0.0305	-0.4747	0.0431	-0.2603	-0.3380	-0.9664	-1.7223	-1.3299
SIG X		0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594
SIG Y		0.6143	0.6004	0.5680	0.6993	0.6284	0.8756	0.8910	1.4041	3.1520	2.4436
RXY		0.0849	-0.0029	0.0453	0.0708	-0.0128	0.1066	-0.0120	0.0883	0.0093	0.0757
N	14	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.
AVE X		-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298
AVE Y		-0.0417	0.3130	0.1111	-0.2855	0.0518	-0.1220	-0.3273	-0.6236	-1.5300	-1.1464
SIG X		1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275
SIG Y		0.6315	0.6297	0.6939	0.7521	0.5979	0.7989	0.7987	1.3854	2.6914	2.1302
RXY		-0.0254	0.0574	-0.0220	0.0003	0.0806	0.1903	0.1257	0.1820	0.1706	0.2110

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 15	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.
AVE X	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089
AVE Y	-0.1852	0.4396	0.0414	-0.5642	-0.0379	-0.4499	-0.3694	-1.3106	-1.6174	-1.3520
SIG X	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379
SIG Y	0.5199	0.6138	0.5730	0.6697	0.4750	0.8476	1.0750	1.4052	3.2083	2.5099
RXY	0.0979	0.0336	-0.0022	0.3057	0.0315	0.1396	-0.3686	-0.2100	-0.0829	-0.1252
N 16	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	0.1189	0.0072	0.0224	0.3201	0.0579	0.3251	0.0169	0.3433	0.1756	0.2515
N 17	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.
AVE X	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371
AVE Y	-0.0418	0.3067	0.1084	-0.2854	0.0499	-0.1187	-0.3297	-0.6256	-1.5393	-1.1556
SIG X	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778
SIG Y	0.6389	0.6311	0.6910	0.7514	0.5966	0.8016	0.7984	1.3877	2.6993	2.1406
RXY	0.2977	-0.2551	0.0852	0.3533	-0.0393	0.0083	-0.0210	0.3513	-0.0742	-0.0236
N 18	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	-0.1672	0.0182	-0.0389	-0.0476	-0.0289	-0.1242	0.0745	0.0174	0.0575	0.0282
N 19	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.
AVE X	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369
AVE Y	-0.0475	0.3104	0.1078	-0.2910	0.0498	-0.1218	-0.3270	-0.6276	-1.5363	-1.1577
SIG X	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229
SIG Y	0.6296	0.6272	0.6914	0.7552	0.5925	0.8010	0.7718	1.3737	2.6553	2.1166
RXY	0.0569	0.0672	-0.0123	0.0268	-0.0466	-0.0359	-0.0834	0.0168	0.0292	0.0398
N 20	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.
AVE X	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519
AVE Y	-0.0416	0.3096	0.1105	-0.2898	0.0502	-0.1209	-0.3306	-0.6269	-1.5409	-1.1585
SIG X	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599
SIG Y	0.6304	0.6301	0.6922	0.7493	0.5989	0.7996	0.7972	1.3828	2.6953	2.1364
RXY	-0.0953	0.0210	-0.0678	-0.1231	0.0483	-0.0956	0.0270	-0.0328	0.0097	-0.0255
N 21	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	-0.1250	-0.1171	0.0795	-0.2440	0.0092	-0.2048	-0.0256	-0.2289	-0.2869	-0.2591

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 22	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	0.0954	-0.0937	-0.0155	0.2872	0.0645	0.1912	-0.0060	0.2830	0.0528	0.0885
N 23	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	0.3168	-0.2601	0.0677	0.3052	0.0474	-0.0024	-0.0977	0.1914	-0.1594	-0.1292
N 24	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	-0.1556	0.1423	-0.0791	0.0175	0.0404	0.2679	0.2618	0.3818	0.3233	0.3812
N 25	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.
AVE X	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471
AVE Y	-0.0377	0.3051	0.1093	-0.2834	0.0536	-0.1198	-0.3290	-0.6204	-1.5392	-1.1533
SIG X	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339
SIG Y	0.6323	0.6307	0.6913	0.7554	0.5990	0.7995	0.7966	1.3825	2.6920	2.1351
RXY	0.1206	-0.0239	-0.0176	0.1426	0.0024	0.1544	0.1087	0.1931	0.1030	0.1340
N 26	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	0.0299	-0.0022	-0.0077	-0.0064	-0.0848	0.1765	-0.0085	0.0597	0.0841	0.1146
N 27	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916
AVE Y	-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147
SIG Y	0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY	0.0565	-0.1737	0.0581	-0.0101	0.0752	-0.1749	-0.1108	-0.1206	-0.2252	-0.2607
N 28	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.
AVE X	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	-0.0384	0.3072	0.1109	-0.2861	0.0529	-0.1181	-0.3224	-0.6175	-1.5195	-1.1410
SIG X	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276
SIG Y	0.6315	0.6297	0.6915	0.7522	0.5988	0.7979	0.7672	1.3666	2.6330	2.1005
RXY	-0.0487	0.0002	-0.0052	-0.0477	-0.0821	0.0020	0.0420	-0.0245	0.0136	0.0288

GROUP WITHIN SET

X VS. Y		41	42	43	44	45	46	47	48	49	50
N	29	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686
AVE Y		-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X		1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227
SIG Y		0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY		0.2605	-0.0590	-0.0322	0.3172	0.0896	0.0181	-0.0578	0.1073	0.0381	0.0408
N	30	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214
AVE Y		-0.0380	0.3063	0.1100	-0.2835	0.0525	-0.1192	-0.3289	-0.6228	-1.5377	-1.1534
SIG X		0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568
SIG Y		0.6318	0.6306	0.6908	0.7546	0.5988	0.7988	0.7959	1.3832	2.6896	2.1329
RXY		0.0207	-0.0805	0.0772	0.1246	0.1327	0.2035	0.1007	0.3481	0.1049	0.1457
N	31	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X		1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY		0.0506	0.0912	0.0204	-0.0063	-0.0353	-0.1169	0.0469	-0.2722	0.0050	-0.0429
N	32	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X		2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY		-0.1733	0.0981	-0.0033	-0.0646	0.1065	0.1865	0.2955	0.4759	0.2485	0.3509
N	33	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X		1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY		0.0668	0.0611	0.0530	0.1974	0.0737	0.1962	-0.0465	0.1247	0.0429	0.0634
N	34	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X		1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY		0.0801	-0.1255	0.0305	0.2522	0.0788	0.4005	-0.0092	0.3991	0.0956	0.1589
N	35	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X		1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY		0.4095	-0.1119	0.2404	0.7767	0.1121	0.1602	-0.0048	0.2171	0.0348	0.0451

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 36	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	0.1126	0.0308	-0.0602	0.2716	0.0916	0.3355	0.0015	0.3195	0.1164	0.1645
N 37	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	0.0536	-0.0722	0.0984	-0.0171	0.1112	-0.2926	-0.0447	-0.2459	-0.0819	-0.1477
N 38	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	-0.0458	0.0500	-0.0286	0.1088	0.2621	0.3172	0.1092	0.3471	0.1463	0.2236
N 39	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	-0.2841	0.0074	-0.0861	-0.3690	-0.0268	-0.0519	0.0455	-0.2868	-0.0142	-0.0485
N 40	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	-0.0044	0.3146	-0.1137	0.1776	0.1401	0.5888	0.1203	0.5682	0.3422	0.4665
N 41	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	1.0000	-0.1345	0.2130	0.5432	0.0302	0.1323	-0.1487	0.0890	-0.0840	-0.0687
N 42	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	-0.1345	1.0000	-0.0951	-0.1505	-0.0548	0.0464	0.0561	0.0120	0.1545	0.1562

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 43	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	0.2130	-0.0951	1.0000	0.1442	0.0439	0.0223	0.0139	0.0188	-0.0545	-0.0569
N 44	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	0.5432	-0.1505	0.1442	1.0000	0.0293	0.2992	-0.0997	0.3105	0.0308	0.0630
N 45	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	0.0302	-0.0548	0.0439	0.0293	1.0000	0.2172	-0.0030	0.1144	-0.0101	0.0091
N 46	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3410	-0.6847	-1.5974	-1.2213
SIG X	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8611	1.4016	2.8891	2.2415
RXY	0.1323	0.0464	0.0223	0.2992	0.2172	1.0000	0.0891	0.4753	0.2458	0.3404
N 47	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3410	-0.3657	-0.3657	-0.3657	-0.3657
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X	0.8611	0.8611	0.8611	0.8611	0.8611	0.8611	0.8582	0.8582	0.8582	0.8582
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY	-0.1487	0.0561	0.0139	-0.0997	-0.0030	0.0891	1.0000	0.4710	0.7261	0.7194
N 48	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.6847	-0.7486	-0.7486	-0.7486	-0.7486
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X	1.4016	1.4016	1.4016	1.4016	1.4016	1.4016	1.3830	1.3830	1.3830	1.3830
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY	0.0890	0.0120	0.0188	0.3105	0.1144	0.4753	0.4710	1.0000	0.4647	0.6026
N 49	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.5974	-1.6086	-1.6086	-1.6086	-1.6086
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X	2.8891	2.8891	2.8891	2.8891	2.8891	2.8891	2.7901	2.7901	2.7901	2.7901
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY	-0.0840	0.1545	-0.0545	0.0308	-0.0101	0.2458	0.7261	0.4647	1.0000	0.9549

GROUP WITHIN SET

X VS. Y		41	42	43	44	45	46	47	48	49	50
N	50	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X		-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2213	-1.2320	-1.2320	-1.2320	-1.2320
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X		2.2415	2.2415	2.2415	2.2415	2.2415	2.2415	2.1624	2.1624	2.1624	2.1624
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY		-0.0687	0.1562	-0.0569	0.0630	0.0091	0.3404	0.7194	0.6026	0.9549	1.0000
N	51	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X		-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3881	-0.3774	-0.3774	-0.3774	-0.3774
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X		1.0323	1.0323	1.0323	1.0323	1.0323	1.0323	1.0153	1.0153	1.0153	1.0153
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY		-0.0836	0.1947	-0.0524	0.0508	0.0684	0.3495	0.6602	0.6707	0.7052	0.7514
N	52	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X		-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6142	-0.6751	-0.6751	-0.6751	-0.6751
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X		1.1635	1.1635	1.1635	1.1635	1.1635	1.1635	1.1597	1.1597	1.1597	1.1597
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY		0.0203	0.0071	0.0354	0.1479	0.0842	0.2315	0.6857	0.6862	0.5605	0.6253
N	53	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X		-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5255	-0.5388	-0.5388	-0.5388	-0.5388
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X		1.2530	1.2530	1.2530	1.2530	1.2530	1.2530	1.2555	1.2555	1.2555	1.2555
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY		-0.0811	0.1062	-0.0048	0.0229	0.0138	0.2350	0.8157	0.5666	0.8057	0.7916
N	54	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X		-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.5204	-0.4937	-0.4937	-0.4937	-0.4937
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X		2.3281	2.3281	2.3281	2.3281	2.3281	2.3281	2.2631	2.2631	2.2631	2.2631
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY		0.0401	0.1478	-0.0744	0.2396	0.1380	0.5792	0.3057	0.8165	0.4613	0.6375
N	55	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X		-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3147	-0.3219	-0.3219	-0.3219	-0.3219
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X		1.0248	1.0248	1.0248	1.0248	1.0248	1.0248	1.0339	1.0339	1.0339	1.0339
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY		0.0291	0.0005	0.0109	0.0888	0.0577	0.1555	0.5269	0.3982	0.4894	0.4739
N	56	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X		-0.1048	-0.1048	-0.1048	-0.1048	-0.1048	-0.1048	-0.1117	-0.1117	-0.1117	-0.1117
AVE Y		-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X		0.3561	0.3561	0.3561	0.3561	0.3561	0.3561	0.3673	0.3673	0.3673	0.3673
SIG Y		0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY		0.0544	0.0406	-0.0057	0.1540	0.0812	0.3447	0.4583	0.6643	0.4060	0.5093

GROUP WITHIN SET

X VS. Y	41	42	43	44	45	46	47	48	49	50
N 57	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1343	-0.1111	-0.1111	-0.1111	-0.1111
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X	0.8751	0.8751	0.8751	0.8751	0.8751	0.8751	0.8499	0.8499	0.8499	0.8499
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY	-0.0666	0.2716	-0.1087	0.0637	0.1527	0.5390	0.2850	0.6807	0.4524	0.5977
N 58	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760	-0.0760	-0.0778	-0.0778	-0.0778	-0.0778
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X	0.5283	0.5283	0.5283	0.5283	0.5283	0.5283	0.5238	0.5238	0.5238	0.5238
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY	-0.1965	0.0753	-0.0242	-0.1619	0.0426	0.0433	0.6606	0.3750	0.5347	0.5268
N 59	14892.	14892.	14892.	14892.	14892.	14892.	20561.	20561.	20561.	20561.
AVE X	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593	-0.1593	-0.1645	-0.1645	-0.1645	-0.1645
AVE Y	-0.0369	0.3362	0.0971	-0.3149	0.0621	-0.1293	-0.3657	-0.7486	-1.6086	-1.2320
SIG X	0.4383	0.4383	0.4383	0.4383	0.4383	0.4383	0.4356	0.4356	0.4356	0.4356
SIG Y	0.6258	0.6330	0.6666	0.7500	0.6001	0.7957	0.8582	1.3830	2.7901	2.1624
RXY	0.0079	0.0496	0.0029	0.1263	0.0510	0.2110	0.6678	0.5782	0.5912	0.5965

GROUP WITHIN SBT

X VS. Y		51	52	53	54	55	56	57	58	59
N	1	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.	13064.
AVE X		1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979	1.4979
AVE Y		-0.3677	-0.5757	-0.5000	-0.4640	-0.2932	-0.1038	-0.1254	-0.0616	-0.1534
SIG X		1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186	1.9186
SIG Y		0.9554	1.1288	1.1483	2.3208	0.9930	0.3489	0.8732	0.4942	0.4204
RXY		0.1603	0.1199	0.1025	0.1671	0.0836	0.1554	0.1529	0.0421	0.1414
N	2	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610	2.2610
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		-0.1440	0.0206	0.0282	-0.2160	-0.0030	-0.0445	-0.2575	-0.0128	-0.0112
N	3	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.	13157.
AVE X		0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508	0.4508
AVE Y		-0.3740	-0.5727	-0.4994	-0.4608	-0.2973	-0.1039	-0.1337	-0.0647	-0.1545
SIG X		1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254	1.3254
SIG Y		0.9585	1.1284	1.1509	2.3226	0.9931	0.3478	0.8786	0.4989	0.4210
RXY		0.0244	0.1786	0.0150	0.2112	0.1324	0.1458	0.0586	-0.1612	0.1052
N	4	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207	0.1207
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906	1.2906
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		0.1150	0.0354	0.0238	0.1240	0.0141	0.0448	0.1394	0.0067	0.0389
N	5	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.	13032.
AVE X		6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380	6.3380
AVE Y		-0.3718	-0.5712	-0.4952	-0.4587	-0.2956	-0.1040	-0.1275	-0.0653	-0.1553
SIG X		4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804	4.2804
SIG Y		0.9555	1.1326	1.1482	2.3136	0.9968	0.3483	0.8728	0.4998	0.4219
RXY		0.0795	-0.0294	0.0608	0.1089	0.1078	0.0014	0.0737	0.0106	0.1082
N	6	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591	1.8591
AVE Y		-0.3758	-0.5758	-0.5032	-0.4819	-0.2996	-0.1062	-0.1374	-0.0661	-0.1558
SIG X		4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503	4.3503
SIG Y		0.9619	1.1346	1.1542	2.3268	0.9966	0.3502	0.8799	0.5007	0.4223
RXY		0.0562	0.2498	0.0425	0.3058	0.1053	0.2018	0.0851	-0.1796	0.1853
N	7	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172	0.5172
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350	2.6350
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		-0.0484	0.0392	-0.0799	0.0239	0.0294	0.0405	-0.0565	-0.1672	0.0023

GROUP WITHIN SET

X VS. Y		51	52	53	54	55	56	57	58	59
N	8	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.	12733.
AVE X		0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193	0.2193
AVE Y		-0.3468	-0.5753	-0.4754	-0.4275	-0.2876	-0.0996	-0.1073	-0.0588	-0.1508
SIG X		1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241	1.8241
SIG Y		0.9030	1.1037	1.0373	2.2976	0.8611	0.3434	0.8604	0.4749	0.3896
RXY		-0.0887	-0.1465	-0.0509	-0.1605	0.0005	-0.1966	-0.1363	0.0514	-0.0286
N	9	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.	13115.
AVE X		-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055	-0.3055
AVE Y		-0.3701	-0.5714	-0.4944	-0.4594	-0.2953	-0.1043	-0.1300	-0.0634	-0.1538
SIG X		1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864	1.2864
SIG Y		0.9582	1.1272	1.1501	2.3177	0.9935	0.3502	0.8762	0.4992	0.4200
RXY		-0.0390	0.0639	-0.0352	0.0884	0.0162	-0.0183	0.0343	-0.1011	-0.0096
N	10	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.	13054.
AVE X		0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676	0.5676
AVE Y		-0.3645	-0.5691	-0.4976	-0.4473	-0.2938	-0.1036	-0.1254	-0.0629	-0.1537
SIG X		2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100	2.0100
SIG Y		0.9540	1.1269	1.1485	2.3028	0.9939	0.3483	0.8694	0.4998	0.4204
RXY		-0.0960	-0.0049	-0.0910	-0.0465	0.0575	0.0034	-0.0826	-0.1327	-0.0312
N	11	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244	1.5244
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		-0.1752	-0.1766	-0.1135	-0.1589	-0.0217	-0.2753	-0.1789	-0.1985	-0.1264
N	12	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.	10418.
AVE X		0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234	0.1234
AVE Y		-0.4283	-0.6904	-0.5402	-0.7334	-0.3075	-0.1341	-0.1951	-0.0541	-0.1825
SIG X		1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031	1.2031
SIG Y		1.0092	1.1070	1.2303	2.3749	1.0694	0.3645	0.9118	0.5312	0.4533
RXY		0.1124	0.0604	0.0618	0.1781	0.0223	0.0481	0.1205	0.0782	0.0493
N	13	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.	6688.
AVE X		0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329	0.1329
AVE Y		-0.4865	-0.6444	-0.5519	-0.9117	-0.3414	-0.1591	-0.2471	-0.0769	-0.2066
SIG X		0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594	0.9594
SIG Y		1.0574	1.1796	1.3485	2.5653	1.0911	0.3705	0.9417	0.5705	0.4873
RXY		0.0378	0.0080	0.0408	0.1514	0.1071	0.1016	0.1194	-0.0359	-0.0014
N	14	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.	13133.
AVE X		-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298	-0.0298
AVE Y		-0.3689	-0.5780	-0.4983	-0.4636	-0.2973	-0.1059	-0.1285	-0.0619	-0.1551
SIG X		1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275	1.2275
SIG Y		0.9575	1.1327	1.1498	2.3186	0.9932	0.3503	0.8758	0.4998	0.4210
RXY		0.1454	0.1422	0.1746	0.2057	0.0053	0.1131	0.1700	0.0811	0.0989

GROUP WITHIN SBT

X VS. Y		51	52	53	54	55	56	57	58	59
N	15	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.	4387.
AVE X		-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089	-0.0089
AVE Y		-0.5523	-0.8252	-0.5976	-1.2831	-0.4016	-0.2188	-0.3131	-0.0443	-0.2277
SIG X		1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379	1.0379
SIG Y		1.1727	1.2688	1.4579	2.6971	1.3372	0.4479	0.9833	0.6328	0.5541
RXY		-0.0766	-0.1395	-0.1126	-0.0637	0.0497	-0.3015	-0.0688	-0.0940	-0.0825
N	16	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170	-0.2170
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056	1.1056
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		0.2465	0.1933	0.1452	0.4028	0.0619	0.2789	0.3010	-0.0813	0.1755
N	17	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.	13177.
AVE X		-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371	-0.0371
AVE Y		-0.3746	-0.5749	-0.5007	-0.4746	-0.2967	-0.1056	-0.1356	-0.0633	-0.1559
SIG X		0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778	0.9778
SIG Y		0.9595	1.1306	1.1518	2.3258	0.9926	0.3493	0.8792	0.4996	0.4202
RXY		-0.0525	0.2553	-0.0109	0.1351	0.0523	0.1914	-0.0553	-0.1354	0.0862
N	18	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676	0.4676
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427	0.8427
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		0.0382	0.0144	0.0352	-0.0355	-0.0528	-0.0345	-0.0147	0.0919	-0.0084
N	19	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.	13068.
AVE X		0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369	0.8369
AVE Y		-0.3706	-0.5831	-0.4967	-0.4807	-0.2994	-0.1069	-0.1338	-0.0593	-0.1531
SIG X		0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229	0.3229
SIG Y		0.9182	1.1078	1.0832	2.3183	0.9960	0.3494	0.8766	0.4703	0.3861
RXY		0.0430	-0.0573	0.0080	0.0648	0.0249	-0.0559	0.0775	-0.0174	-0.0075
N	20	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.	13227.
AVE X		0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519	0.0519
AVE Y		-0.3731	-0.5835	-0.5010	-0.4761	-0.2968	-0.1056	-0.1330	-0.0629	-0.1555
SIG X		1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599	1.0599
SIG Y		0.9582	1.1278	1.1501	2.3203	0.9907	0.3493	0.8774	0.4989	0.4198
RXY		-0.0570	0.0966	0.0068	-0.1408	-0.1295	-0.0171	-0.1065	0.0552	0.0070
N	21	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612	-0.4612
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802	0.8802
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		-0.2465	-0.1603	-0.1924	-0.3397	-0.0049	-0.1958	-0.2123	-0.0042	-0.1816

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 22	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592	-0.1592
AVE Y	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584	0.9584
SIG Y	0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY	0.1263	0.1790	0.0612	0.2075	0.0714	0.1858	0.1456	-0.0758	0.0933
N 23	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128	0.5128
AVE Y	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267	1.2267
SIG Y	0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY	-0.0791	0.1040	-0.0616	0.0405	0.0393	0.0585	-0.0608	-0.2032	0.0297
N 24	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987	-0.2987
AVE Y	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555	1.0555
SIG Y	0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY	0.4239	0.2835	0.2975	0.4274	0.0704	0.3452	0.4625	0.1932	0.2539
N 25	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.	13259.
AVE X	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471	-0.2471
AVE Y	-0.3723	-0.5778	-0.4988	-0.4720	-0.2963	-0.1051	-0.1311	-0.0610	-0.1548
SIG X	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339	0.9339
SIG Y	0.9568	1.1287	1.1486	2.3214	0.9895	0.3488	0.8770	0.4948	0.4196
RXY	0.0789	0.2226	0.0888	0.1413	0.0046	0.1877	0.0941	0.0110	0.0815
N 26	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0381	-0.0361
AVE Y	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732	0.9732
SIG Y	0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY	0.0860	-0.0469	0.0694	0.1526	0.0810	0.1402	0.1404	-0.0127	-0.0005
N 27	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916	-0.0916
AVE Y	-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147	0.5147
SIG Y	0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY	-0.2028	-0.1373	-0.1830	-0.2331	0.0079	-0.1312	-0.2003	-0.0795	-0.1387
N 28	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.	13249.
AVE X	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312	-0.4312
AVE Y	-0.3636	-0.5716	-0.4886	-0.4644	-0.2831	-0.1027	-0.1296	-0.0577	-0.1505
SIG X	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276	0.4276
SIG Y	0.9086	1.1061	1.0770	2.3140	0.8466	0.3417	0.8754	0.4680	0.3843
RXY	-0.0377	0.0259	0.0161	0.0099	0.0313	0.0266	-0.0286	-0.0204	-0.0102

GROUP WITHIN SET

X VS. Y		51	52	53	54	55	56	57	58	59
N	29	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686	0.1686
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227	1.0227
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		0.0174	0.0450	0.0143	0.0570	0.0792	0.0648	0.0027	-0.0751	0.0825
N	30	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.	13287.
AVE X		-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214	-0.0214
AVE Y		-0.3723	-0.5785	-0.4998	-0.4708	-0.2956	-0.1050	-0.1317	-0.0626	-0.1547
SIG X		0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568	0.9568
SIG Y		0.9563	1.1276	1.1477	2.3193	0.9886	0.3486	0.8768	0.4978	0.4192
RXY		0.1869	0.2463	0.1355	0.2652	0.0918	0.1967	0.2272	0.0626	0.1510
N	31	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046
AVE Y		-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X		1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619	1.6619
SIG Y		1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY		-0.0735	-0.2035	-0.0080	-0.2215	-0.0677	-0.1177	-0.0787	0.0491	-0.0753
N	32	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783	-0.5783
AVE Y		-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X		2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840	2.0840
SIG Y		1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY		0.3943	0.4037	0.3013	0.4675	0.1000	0.4142	0.4635	0.1989	0.2194
N	33	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168	-0.0168
AVE Y		-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X		1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586	1.5586
SIG Y		1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY		0.0227	0.1325	0.0085	0.1628	0.0151	0.0416	0.0742	-0.0240	0.0367
N	34	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355	-0.3355
AVE Y		-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X		1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166	1.2166
SIG Y		1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY		0.1348	0.2001	0.0960	0.3250	0.1067	0.1731	0.2362	0.0138	0.1190
N	35	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X		-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607	-0.3607
AVE Y		-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X		1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250	1.1250
SIG Y		1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY		0.0328	0.1162	0.0393	0.0936	0.0639	0.0840	0.0236	-0.0765	0.1080

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 36	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985	-0.1985
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585	0.9585
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	0.1868	0.1826	0.0866	0.3143	0.1278	0.2016	0.2835	-0.1135	0.0829
N 37	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540	0.7540
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	-0.1912	-0.0956	-0.0732	-0.2977	-0.0339	-0.2046	-0.3545	-0.0271	-0.0721
N 38	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766	-0.2766
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640	0.7640
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	0.2129	0.2215	0.1557	0.3240	0.1029	0.2358	0.3296	0.0699	0.1440
N 39	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059	-0.4059
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841	0.7841
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	-0.1156	-0.0987	-0.0307	-0.2192	-0.1037	-0.2012	-0.1464	0.0248	-0.1140
N 40	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018	-0.1018
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083	1.0083
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	0.5472	0.2096	0.2934	0.7664	0.1988	0.4388	0.8869	0.0896	0.2533
N 41	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369	-0.0369
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258	0.6258
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	-0.0836	0.0203	-0.0811	0.0401	0.0291	0.0544	-0.0666	-0.1965	0.0079
N 42	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362	0.3362
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330	0.6330
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	0.1947	0.0071	0.1062	0.1478	0.0005	0.0406	0.2716	0.0753	0.0496

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 43	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666	0.6666
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	-0.0524	0.0354	-0.0048	-0.0744	0.0109	-0.0057	-0.1087	-0.0242	0.0029
N 44	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149	-0.3149
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500	0.7500
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	0.0508	0.1479	0.0229	0.2396	0.0888	0.1540	0.0637	-0.1619	0.1263
N 45	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001	0.6001
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	0.0684	0.0842	0.0138	0.1380	0.0577	0.0812	0.1527	0.0426	0.0510
N 46	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.	14892.
AVE X	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293	-0.1293
AVE Y	-0.3881	-0.6142	-0.5255	-0.5204	-0.3147	-0.1048	-0.1343	-0.0760	-0.1593
SIG X	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957	0.7957
SIG Y	1.0323	1.1635	1.2530	2.3281	1.0248	0.3561	0.8751	0.5283	0.4383
RXY	0.3495	0.2315	0.2350	0.5792	0.1555	0.3447	0.5390	0.0433	0.2110
N 47	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657	-0.3657
AVE Y	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582	0.8582
SIG Y	1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY	0.6602	0.6857	0.8157	0.3057	0.5269	0.4583	0.2850	0.6606	0.6678
N 48	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486	-0.7486
AVE Y	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830	1.3830
SIG Y	1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY	0.6707	0.6862	0.5666	0.8165	0.3982	0.6643	0.6807	0.3750	0.5782
N 49	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086	-1.6086
AVE Y	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X	2.7901	2.7901	2.7901	2.7901	2.7901	2.7901	2.7901	2.7901	2.7901
SIG Y	1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY	0.7052	0.5605	0.8057	0.4613	0.4894	0.4060	0.4524	0.5347	0.5912

GROUP WITHIN SET

X VS. Y		51	52	53	54	55	56	57	58	59
N	50	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320	-1.2320
AVE Y		-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X		2.1624	2.1624	2.1624	2.1624	2.1624	2.1624	2.1624	2.1624	2.1624
SIG Y		1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY		0.7014	0.6253	0.7916	0.6375	0.4739	0.5093	0.5977	0.5268	0.5965
N	51	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774	-0.3774
AVE Y		-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X		1.0153	1.0153	1.0153	1.0153	1.0153	1.0153	1.0153	1.0153	1.0153
SIG Y		1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY		1.0000	0.5568	0.8235	0.6622	0.6274	0.6026	0.7023	0.6392	0.7286
N	52	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751	-0.6751
AVE Y		-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X		1.1597	1.1597	1.1597	1.1597	1.1597	1.1597	1.1597	1.1597	1.1597
SIG Y		1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY		0.5568	1.0000	0.6844	0.5044	0.4066	0.5352	0.2850	0.4069	0.5637
N	53	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388	-0.5388
AVE Y		-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X		1.2555	1.2555	1.2555	1.2555	1.2555	1.2555	1.2555	1.2555	1.2555
SIG Y		1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY		0.8235	0.6844	1.0000	0.4585	0.6466	0.4917	0.4254	0.6731	0.7561
N	54	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937	-0.4937
AVE Y		-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X		2.2631	2.2631	2.2631	2.2631	2.2631	2.2631	2.2631	2.2631	2.2631
SIG Y		1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY		0.6622	0.5044	0.4585	1.0000	0.2804	0.5951	0.8427	0.2290	0.4274
N	55	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219	-0.3219
AVE Y		-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X		1.0339	1.0339	1.0339	1.0339	1.0339	1.0339	1.0339	1.0339	1.0339
SIG Y		1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY		0.6274	0.4066	0.6466	0.2804	1.0000	0.4470	0.2684	0.6258	0.7008
N	56	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X		-0.1117	-0.1117	-0.1117	-0.1117	-0.1117	-0.1117	-0.1117	-0.1117	-0.1117
AVE Y		-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X		0.3673	0.3673	0.3673	0.3673	0.3673	0.3673	0.3673	0.3673	0.3673
SIG Y		1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY		0.6026	0.5352	0.4917	0.5951	0.4470	1.0000	0.5396	0.4039	0.5422

GROUP WITHIN SET

X VS. Y	51	52	53	54	55	56	57	58	59
N 57	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111	-0.1111
AVE Y	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499	0.8499
SIG Y	1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY	0.7023	0.2850	0.4254	0.8427	0.2684	0.5396	1.0000	0.2894	0.3869
N 58	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.0778	-0.0778	-0.0778	-0.0778	-0.0778	-0.0778	-0.0778	-0.0778	-0.0778
AVE Y	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X	0.5238	0.5238	0.5238	0.5238	0.5238	0.5238	0.5238	0.5238	0.5238
SIG Y	1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY	0.6392	0.4069	0.6731	0.2290	0.6258	0.4039	0.2894	1.0000	0.7117
N 59	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.	20561.
AVE X	-0.1645	-0.1645	-0.1645	-0.1645	-0.1645	-0.1645	-0.1645	-0.1645	-0.1645
AVE Y	-0.3774	-0.6751	-0.5388	-0.4937	-0.3219	-0.1117	-0.1111	-0.0778	-0.1645
SIG X	0.4356	0.4356	0.4356	0.4356	0.4356	0.4356	0.4356	0.4356	0.4356
SIG Y	1.0153	1.1597	1.2555	2.2631	1.0339	0.3673	0.8499	0.5238	0.4356
RXY	0.7286	0.5637	0.7561	0.4274	0.7008	0.5422	0.3869	0.7117	1.0000